

# Briefing to Global EOD Conference

European Defence Agency  
Building Capabilities for a Secure Europe



# European Defence Agency Building Collaborations in CIED

Jim Blackburn

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European Defence Agency

Building Capabilities for a Secure Europe



# Programme

- EDA Background
- Ongoing EDA Projects
- EDA CBRN
- EDA CIED



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# EUROPEAN-US DEFENCE EXPENDITURE - GENERAL

	Europe*	US**
<b>GDP:</b>	<b>€11,3 Trillion</b>	<b>€ 10,5 Trillion</b>
<b>Total Defence Expenditure:</b>	<b>€201 Bn</b>	<b>€491 Bn</b>
<b>Personnel Expenditure:</b>	<b>€110 Bn</b>	<b>€100 Bn</b>
<b>Operations &amp; Maintenance:</b>	<b>€43,3 Bn</b>	<b>€169,2 Bn</b>
<b>Equipment Procurement:</b>	<b>€29,1 Bn</b>	<b>€83,0 Bn</b>
<b>Research &amp; Development:</b>	<b>€9,7 Bn</b>	<b>€58,0 Bn</b>
<b>(Includes: Research &amp; Technology):</b>	<b>€2,6 Bn</b>	<b>€13,6 Bn</b>

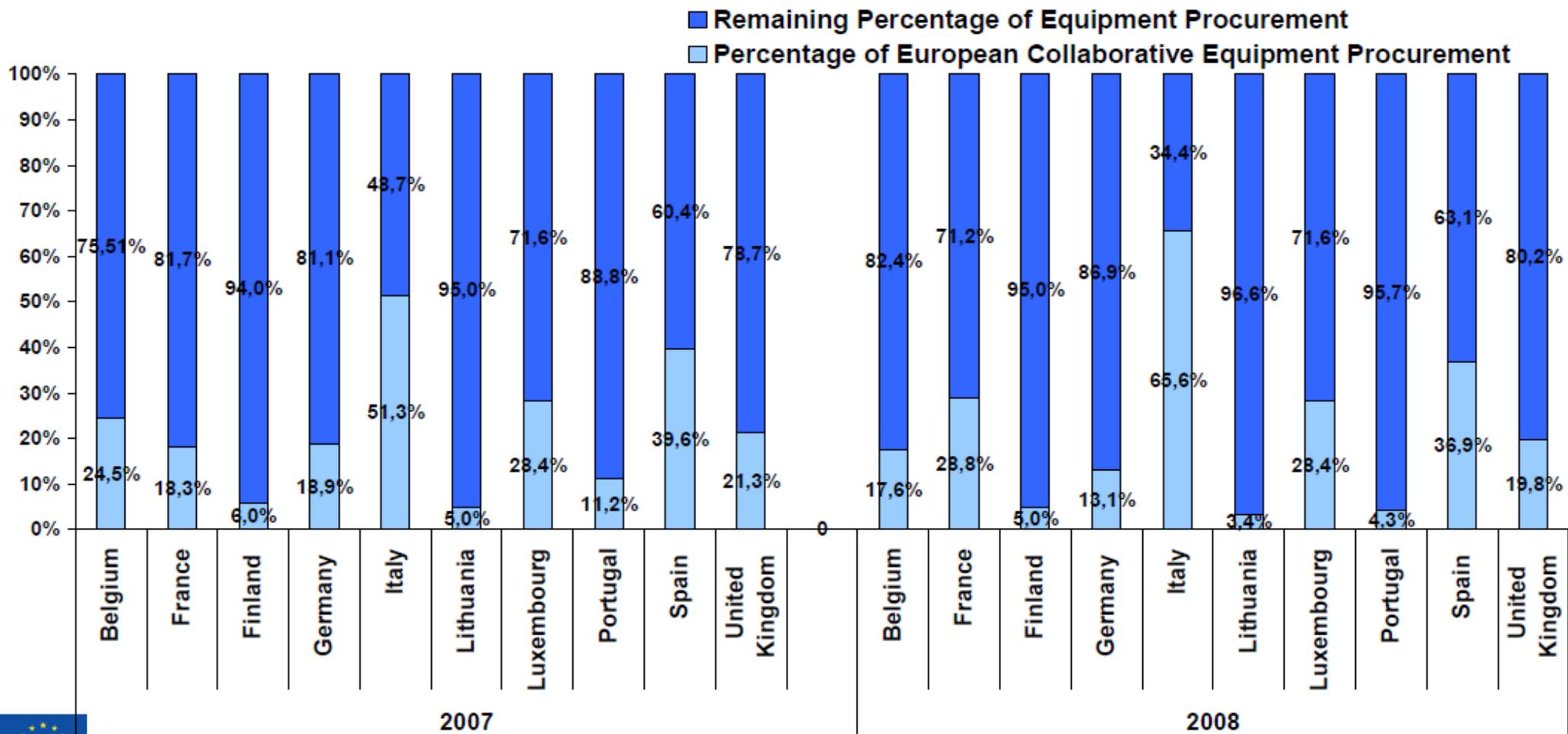
■ \*Europe means 26 EDA participating Member States

■ \*\*Euro/Dollar exchange rate is based on average for 2006: rate of 1,2556



# Collaboration

## European Collaborative Equipment Procurement as a Percentage of Total Equipment



# EDA Participating Member States pMS



# Participating Member States

EDA

NATO

Partnership  
for Peace  
(PfP) States:

AT

FI

SE

IE

MT

CY

BE

DE

RO

ES

FR

UK

CZ

HU

PL

BG

LU

NL

PT

IT

EL

SI

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LV

CA

US

IS

NO

DK

TU

AB

HV

AE

AU

AZ

BA

GE

JO

MK

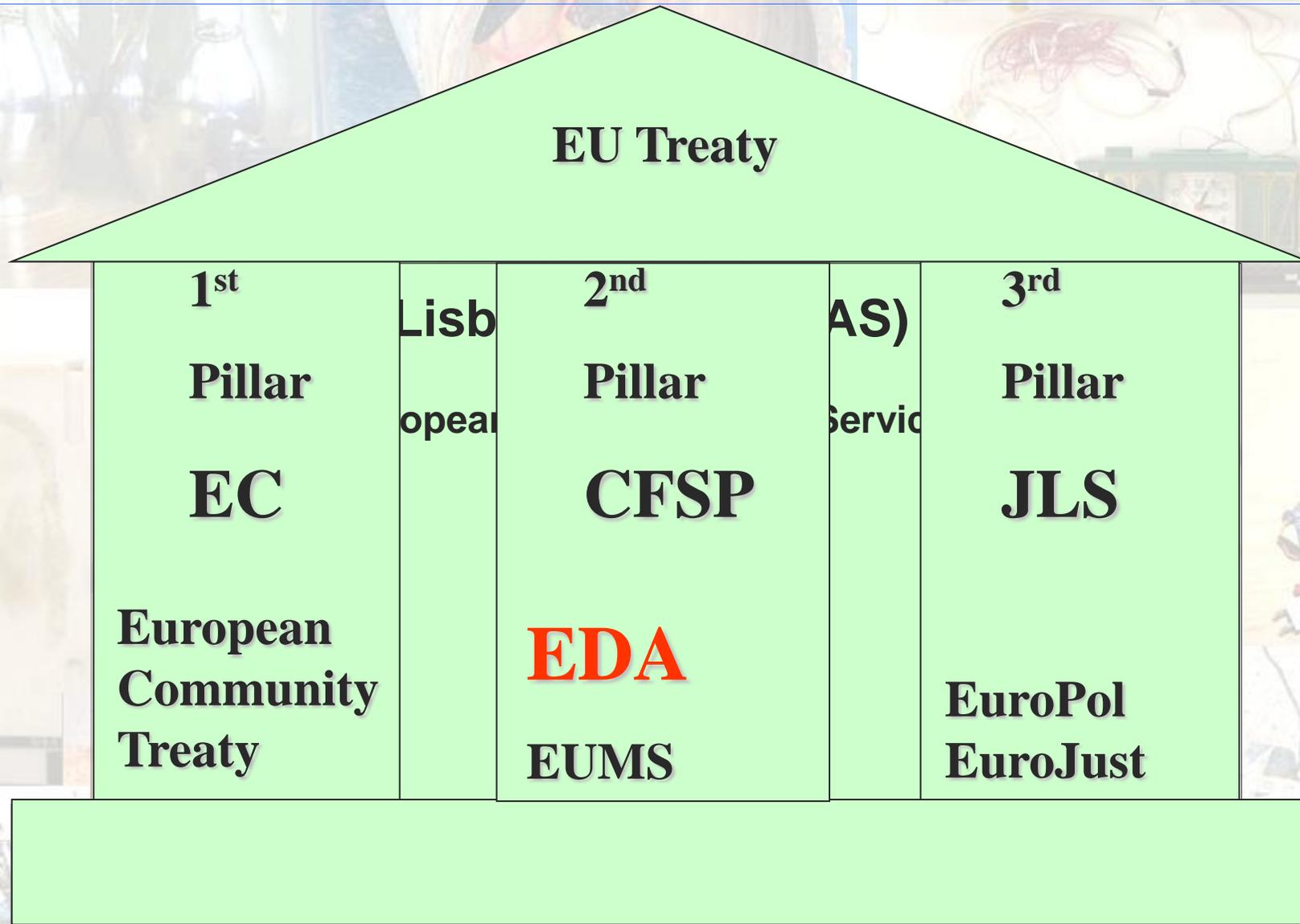
NZ

SG

UA

ISAF

# The EDA in the European Institutions



# Mission and functions

Development of defence capabilities  
in the field of crisis management

Promotion & enhancement of  
European armaments cooperation

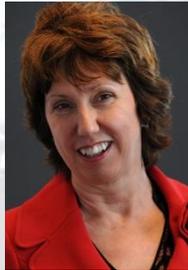
“... to support the Council and  
the Member States in their effort to  
improve the EU’s defence capabilities  
in the field of crisis management  
and to sustain the ESDP as it stands  
now and develops in the future.”

**Improve the EU’s defence capabilities**

Enhancement of effectiveness  
of European Defence Research  
and Technology (R & T)

Strengthening DTIB for the creation of an  
internationally competitive  
European Defence Equipment Market

# ■ EDA Structure



**HR Baroness Ashton  
Head of EDA**

**Chief Executive**



**Media / Comms**

**Planning / Policy**

**Deputies Chief Executive**

**Director R&T**

**Director Armaments**

**Director Capabilities**

**Director Industry/Markets**

**Director Corporate Services**

# EDA Background

- Small Agency approximately 110 people
- Small budget only for enabling activities
- Only exists for member states to enhance their capabilities
- No inherent EU Capability is being built – resides entirely in Member States
- Can only do what member states want to do
- Collaborative Forum
- Can inject proposals

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# EDA Industry & Markets

- European Defence Equipment Market EDEM
- European Defence Technological and Industrial base EDTIB
- Electronic Bulletin Board EBB
  - Code of Conduct ( > 1 M€)
  - Code of Best Conduct in the Supply Chain

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# Armaments Cooperative Strategy

- More and Effective Cooperation
  - Promote Cooperative Programmes
  - Ensure the future of the EDTIB
  - Improve effectiveness and efficiency
- Strategic Approach
  - CST, CSR & CPP
- Setting the Preconditions
  - Harmonised Military Requirements
  - Member States Share Plans

# Armaments Cooperative Projects

- On Going efforts
  - European Secure Software Radio
  - Mid Air Collision Avoidance System
  - Active Protection Systems for Armoured Vehicles
- Category B
  - Multinational Space based Imagery
  - Naval Mine Counter Measures
  - BIO EDEP
  - Heavy Lift Helicopter
  - Helicopter Availability

# Armaments Transversal Issues

- Military Airworthiness
- European Defence Test and Evaluation Base
- Matchmaking Database
- SDR Certification
- Armaments Strategy
- EDA / OCCAR Interface
- Standardization



# ■ EDA R&T – 12 technological areas

## ■ Capability-Technology Area = CapTech

## ■ 12 CapTechs in 3 major blocks reflecting Capabilities

### ■ IAP = Information Acquisition & Processing

#### ■ ----> *Knowledge*

### ■ GEM = Guidance, Energy & Materials

#### ■ ----> *Engage*

### ■ ESM = Environment, Systems and Modeling

#### ■ ----> *Manoeuvre*

## ▪ EDA R&T – 12 technological areas

Information, Acquisition & Processing	Guidance, Energy & Materials	Environment, Systems & Modelling
IAP01 Components	GEM01 Materials & Structures	ESM01 Naval Systems & their Environment
IAP02 RF Sensor Systems & Signal Processing	GEM02 Energetics, Missiles & Munitions	ESM02 Aerial Systems & their Environment
IAP03 Optical Sensor Systems & Signal Processing	GEM03 Ground Systems & their Environment	ESM03 Systems of Systems, Space, Simulation & Experiment
IAP04 CIS & Networks	GEM04 Guidance & Control	ESM04 Human Factors & CBR Protection

▪ R&T Directorate : 16 people

# EDA Research & Technology

## ■ Ad Hoc Cat A

### • JIP FP

- 20 Contributing members (inc NO)
- joint budget 55M€.
- 3yrs initial programme.
- 8 contracts let to date

### • JIP ICET

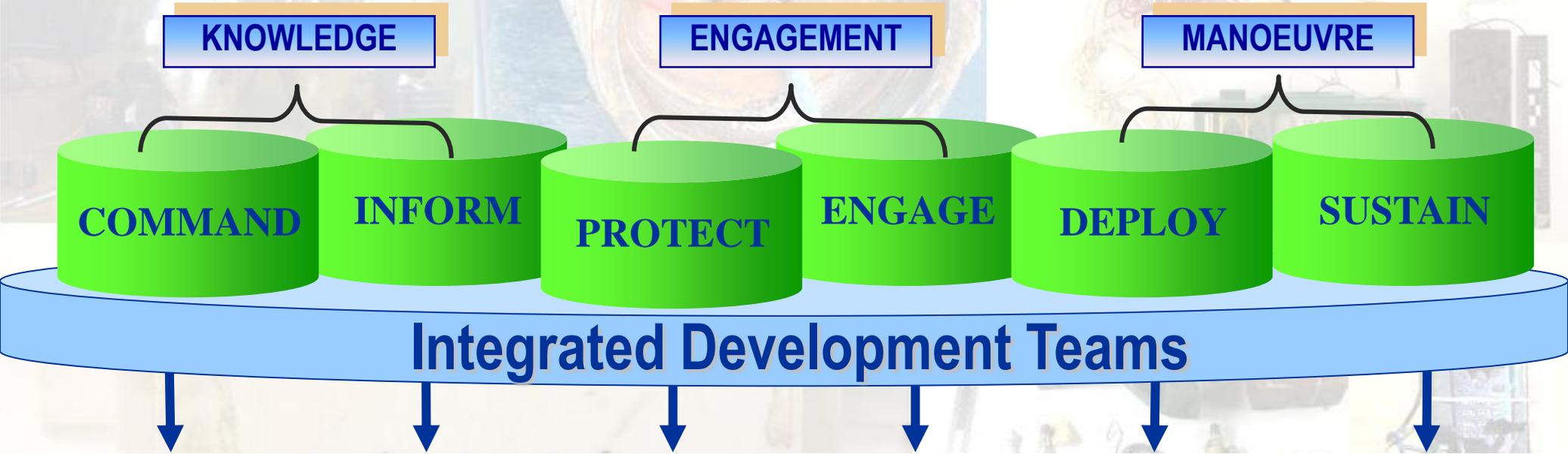
- 11 cM (including NO)
- Joint budget 15.58M€
- Call 1 resulted in the selection of 4 proposals that are contracted in Q4/2009.
- Call 2 ended 16 October 16 2009

## ■ Ad Hoc Cat B projects

- Contract signed – 26
- Awaiting contract – 3
- In preparation – 22

## ■ OB R&T Contracts – 5 total value 1.4M€

# Integrated Development Teams (IDT) Project Teams (PT)



## Project Teams

### Various Lines of Development:

- Concepts & Doctrine (e.g. NEC, ISTAR Architecture, CBRN Detection, Seaborne Logistics, etc.)
- Training (e.g. Intelligence Understanding of Mission Environment, Helo Pilots Advance Training, etc.)
- Armament Cooperation (e.g. Maritime Airborne Unmanned System, 21 Cent. Soldier System, etc.)
- Operational Cooperation (e.g. Radio Spectrum Management, Information Management, etc.)
- Industrial Cooperation (e.g. Third Parties Logistic Support, etc.)

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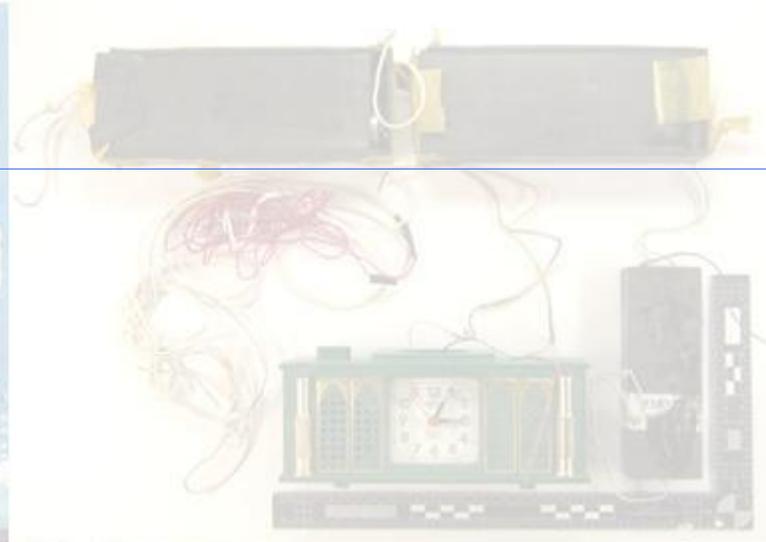


# PT CBRN EOD

- Taken over from the Equipment Capability Programme (ECAP) in the Western European Armaments Group (WEAG)
- Made significant Progress in concepts, training and standardisation.
- Looking to move into wrap everything together into a Common Staff Target to present this to a package to the Member States.
- Will still take forward RDD, IND and MNT.

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# EDA CIED

## 🧨 Aim

- 🧨 Develop capabilities in common
- 🧨 Better use resources and ensure that a plan and staff structure exists for ESDP operations; in order
- 🧨 Enhance capability of the pMS to Counter an IED Campaign.

## 🧨 Strategic Context

- 🧨 One of the top 12 CDP actionable points.
- 🧨 Many pMS involved in current operations involving IEDs.
- 🧨 Capability Development needed quickly, but enduring.

## 🧨 PT Members AT, BE, CZ, DE, EE, **ES**, FI, FR, IE, IT, NL, PL, RO, SE, SK, UK

## 🧨 3<sup>rd</sup> Parties

- 🧨 EU Commission
- 🧨 EU Council
- 🧨 EuroPol
- 🧨 NATO

# Guidelines for Developing a National CIED Capability

💣 **Search**

**Defeat the System**

💣 **Exploitation / Weapons Intelligence**

💣 **Route Clearance**

💣 **IEDD (Including Manual Neutralisation Techniques)**

💣 **Mitigation**

💣 **TTPs**

💣 **ECM**

# Current & Planned Work

- CSDP Concept
- EU Commission to conduct an overarching review of EU CIED multi-nationally and multi-agency. (Civ / Mil) – Proposals for examination.
  - Level 3 CIED Exploitation (EU)
  - Information / Intelligence Sharing
  - Interoperable Framework, Common Capability Requirements
  - Common Standards
  - External links
- Manual Neutralisation Techniques
  - Kick off meeting 27 Jan
  - 2010 - Awareness Training
  - 2011 – Exercise
- Lessons Learned 8 & 9 June 2010

# Search Route & Clearance

- **Search continue 5 year plan**
  - 2009 – Intermediate TTT Course Rome. **Complete**
  - 2010 – Advanced Search Advisors Course: 5 – 30 Jul.
  - 2011 – Basic Search TTT.
  - 2012 – Specialist Search.
  - 2013 – CBRN Search.
  - Fits with Italian National Plan
  - Courses run at Italian National CIED COE (Eng School)
  - Run by Ex-Brit Mil RESA s
  - EDA funded for pMS
- **Route Clearance**
  - Kick Off 10 June 2010 TALISMAN Briefing
  - pMS to express interest by end May
  - Possible IT lead

# Exploitation

## ■ Level 3

- Discussed in Overarching EU CIED Review
- Currently 1 Bespoke Laboratory in the EU (UK)
- National Crime Laboratories.

## ■ Level 2

- EDA may spend 1m€ on Laboratory (demonstrator) this FY
- France as Lead Nation
- CSDP Pooled Asset
- Could be made available to ISAF

## ■ Level 1 - Nil

# Potential CIED Exercise 2011

- Exercise format to be agreed
- Possible multiple vignettes
  - Strategic Civ / Mil over view seminars
  - Operational Exercise of CIED Staff Branch
  - Tactical level scenarios for CIED based on
    - Search
    - IEDD (Including MNT)
    - Scene Management
    - Exploitation
- To follow and build on IE CIED (IEDD)
- Possible venues being examined

# EDA Role

- Providing a collaborative platform for pMS to develop capabilities
  - Coming together to fulfill “National Responsibilities”
- EDA Can:
  - Address conceptual issues, but not doctrine.
  - Establishment of training courses and running of 1 off pilot training.
  - Reach agreement on pan-European standards
  - The in depth development of 1 off capabilities and capacities
  - Provide a platform for pMS to find “Economies of scale” in training
  - Work on Category B Programmes
  - Be responsive to pMS requirements.
- EDA Cannot:
  - Provide on going enduring training
  - Be seen to be work FOR NATO, but MUST work WITH NATO
  - Work specifically for single or exclusive groups of Member States (within reason)

A street scene in a town. On the left, a yellow building has a black sign with white text that reads "PREPARE TO MEET THY GOD". Below the sign is a small black plaque with white text that is partially obscured. To the right of the yellow building is a street with a utility pole and a red fire hydrant. In the background, there are several buildings of various colors and styles, including a white building with a pointed roof and a dark brick building. A person is walking on the sidewalk in the distance. The sky is overcast.

PREPARE  
TO MEET THY  
GOD

1000

Questions or Comments?

EDA

