European Defence Agency
CIED briefing to
the Global EOD Conference
Agenda

- Introduction to the EDA
- EDA CIED
## EUROPEAN-US DEFENCE EXPENDITURE - GENERAL

<table>
<thead>
<tr>
<th>Category</th>
<th>Europe*</th>
<th>US**</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDP</td>
<td>€11,3 Trillion</td>
<td>€ 10,5 Trillion</td>
</tr>
<tr>
<td>Total Defence Expenditure</td>
<td>€201 Bn</td>
<td>€491 Bn</td>
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<tr>
<td>Personnel Expenditure</td>
<td>€110 Bn</td>
<td>€100 Bn</td>
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<tr>
<td>Operations &amp; Maintenance</td>
<td>€43,3 Bn</td>
<td>€169,2 Bn</td>
</tr>
<tr>
<td>Equipment Procurement</td>
<td>€29,1 Bn</td>
<td>€83,0 Bn</td>
</tr>
<tr>
<td>Research &amp; Development</td>
<td>€9,7 Bn</td>
<td>€58,0 Bn</td>
</tr>
</tbody>
</table>

*Europe means 26 EDA participating Member States

Euro/Dollar exchange rate is based on average for 2006: rate of 1,2556
European Collaborative Equipment Procurement as a Percentage of Total Equipment

- Belgium: 75.5% (2007), 17.6% (2008)
- France: 81.7% (2007), 23.8% (2008)
- Finland: 94.0% (2007), 34.4% (2008)
- Germany: 81.1% (2007), 71.8% (2008)
- Italy: 95.0% (2007), 60.4% (2008)
- Luxembourg: 43.7% (2007), 21.3% (2008)
- Portugal: 23.4% (2007), 39.6% (2008)
- Spain: 71.6% (2007), 78.7% (2008)
- United Kingdom: 95.0% (2007), 86.9% (2008)

Remaining Percentage of Equipment Procurement:
- Belgium: 24.5% (2007), 82.4% (2008)
- France: 18.3% (2007), 76.2% (2008)
- Italy: 5.0% (2007), 21.7% (2008)
- Lithuania: 5.0% (2007), 18.8% (2008)
- Luxembourg: 5.0% (2007), 28.2% (2008)
- Portugal: 5.0% (2007), 28.2% (2008)
- Spain: 5.0% (2007), 28.2% (2008)
- United Kingdom: 5.0% (2007), 28.2% (2008)
EDA Participating Member States pMS
Participating Member States

Partnership for Peace (PfP) States:
- AT
- FI
- SE
- IE
- MT
- CY

Partnership for Peace (PfP) States:
- BE
- DE
- RO
- ES
- FR
- UK
- CZ
- HU
- PL
- BG
- LU
- NL
- PT
- IT
- EL
- SI
- SK
- SI
- LT
- LV

Partnership for Peace (PfP) States:
- CA
- US
- IS
- NO
- DK
- TU
- AB
- HV

Partnership for Peace (PfP) States:
- AE
- AU
- AZ
- BA
- GE
- JO
- MK
- NZ
- SG
- UA
The EDA in the European Institutions
EDA Structure

HR Baroness Ashton
Head of EDA

Claude-France Arnould
Chief Executive

Deputies Chief Executive

Director R&T
Director Armaments
Director Industry/Markets
Director Corporate Services

Media / Comms
Planning / Policy

Director Capabilities
EDA Background

- Small Agency approximately 130 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
Agenda

- Introduction to the EDA
- EDA CIED
National C-IED Capabilities

- Search
- Exploitation / Weapons Intelligence
- Route Clearance
- TTPs
- IEDD (Including Manual Neutralisation Techniques)
- Mitigation
- ECM
Search: 5 Year Plan (IT lead)

1. Draft ESDP Search Concept, low level concept

2. Italian Experimentation and European Catalytic training
     - 12 pMS AT, BE, CZ, DE, ES, FI, FR, HU, IE, IT, LV, SE – 27 Trained Soldiers
   - 2010 – Advanced Search Advisors Course, Rome Complete
     - 12 pMS AT, BE, CZ, DE, ES, FI, IE, IT, NL, PL, SE, SI – 28 Trained Soldiers
   - 2011 – Basic Search TTT Course. Complete
     - 9pMS AT, BE, DE, ES, IE, IT, LV, RO, SE – 27 Trained Soldiers
   - 2012 – Specialist Search Course. Planning in Progress
   - 2013 – CBRN Search Course.

4. 2013 – Presentation of Search Concept following Experimentation
Route Clearance (IT Lead)

To give Freedom of Movement in an IED infested environment

Looking at requirements for 2015 and beyond across European Militaries

Interested pMS AT, BE, CZ, DE, ES, FR, IE, IT, NL, SE and UK

Development Process:
- Framework For Future Route Clearance Capability Development
- Share with Industry
- Common Staff Target
- Share With Industry
- De-Risking
- Demonstrator
- Category B Programme

2010
Industry Briefing 27 - 28 Sep 2011 Rome

2013/14
Route Clearance – Who’s doing what

- **Nationally** – Urgent Operational Requirement, needed right now

- **NATO (ESCD & NC3A)** – Analysis of high-medium TRL technologies, current NATO and National CONEMP and RC demonstration which will be available to support Operations and Doctrine review in the next 2 to 3 years.

- **NATO CNAD** – Team of experts on Route Clearance equipment run an annual workshop to share TTPs and experiences from operations.

- **EDA** – A Capability driven approach looking at future requirements beyond the current conflicts from 2015 and beyond.
Manual Neutralisation Techniques (IE Lead)

Kick off meeting 27 Jan 2011
C-IED MNT Course Nov/Dec 2010 (3 weeks) in UK
12 Students from AT, DE, FI, IE, NL, RO, SE, UK – 9 pMS

CBRN MNT Course Sep/Oct 2011 (3 weeks) in UK
12 Students from AT, BE, DE, FI, IT, IE, NL, SE - 8 pMS

Exercise European Guardian Austria 11 to 22 June 2012
### Current R&T

**IED Forensics**
- Kick off meeting 2 Feb 2012
- To Monitor Vehicles before during and after IED attacks
- Vehicle “Black box” study to improve IED Counter-Measures.

**Signatures of IEDs**
- Develop a generic model for a specific type of signature
- Develop a methodology for acquiring data on the behaviour of the specific type of signature/s
- Propose how the model can be further developed to encompass other signatures
2012 - Ireland

Ground Sign Awareness Training – IE Ordnance School

- Enhances soldiers ability to find IEDs 70 – 80 %
- Provides Real Time Intelligence
- Train the Trainer
- 20 students, 2 Weeks 9 to 20 April 2012

Home Made Explosives Training – IE Ordnance School

- Awareness, Manufacture Safe handling, Range Testing, Disposal
- Train The Trainers
- 30 Students 9 to 27 July 2012
Other work streams

Lessons Identified (TTPs)
- Lessons Identified Workshop held in Sweden on 22-24 Nov 2010 (SE Lead)
- 2011 ES CIED COE, possibly to be an annual event
- 2012 TBC

C-IED Exercises
- 2013 - NL Lead

C-IED Expert Detection Group
- CIED Studies pre 2008
- Initial Meeting
- Scenarios
- Industry on Board workshop Feb
- Possible projects
EDA Level 2 Exploitation

The analysis of artefacts collected after an IED incident to gain intelligence about Bomb Facilitators
C-IED Exploitation Level 2

- 2009 C-IED Exploitation Category B project failed
- Early 2010 EDA volunteered € 1M for a Level 2 project
- 26 Apr 2010 SB MoD launched **THEATRE EXPLOITATION LABORATORY (Demonstrator), TEL (D)**
- **FR** Lead Nation; AT, ES, IT, LU, NL, PL, RO, and SE joined up the group of interested pMS

Subsequently:
- Military requirements and technical specifications were defined
- Tender process was prepared and conducted
- INDRA was given the contract on 17 December 2010
- The General Conditions with all Member States
- The Technical Arrangement with those States involved
- Manning Conferences
- Training Requirements developed, Training conducted
TEL(D) ➔ MN TEL

Lab Deployed on 28 Jul to Afghanistan

TACON TF PALADIN

IOC 20 Sep 2011, FOC 24 Oct

Up to Late Feb Processed 110 cases.

1st Rotation 4 Nations (Spain, France, The Netherlands, Poland) 1 x US liaison Officer July 2011 – Jan 2012

2nd Rotation 6 Nations (Spain, Italy, France, The Netherlands, Poland, Sweden) Jan 2012 to July 2012

3rd Rotation 8 Nations (Spain, Italy, France, Luxembourg, The Netherlands, Poland, Romania, Sweden) July 2012 to Jan 2013

Future beyond Jan 2013 NYK