

European Defence Agency

General Presentation

**Brussels,
2 - 6 July 2007**

**Dr. Octávia Frota
Deputy Director
R&T Directorate**

European Defence Agency

Building Capabilities for a Secure Europe



Overall Aim of the Agency

“To ***support the Council and the Member States*** in their effort to improve European defence capabilities in the field of crisis management and ***to sustain the ESDP*** as it stands ***now*** and will evolve in the ***future***”

Main Functions

1. Developing defence **capabilities**
2. Promoting **armaments co-operation**
3. Improving the **defence industrial and technological base (DTIB)**, and supporting the creation of a **competitive European defence market (EDEM)**
4. Promoting **collaborative defence research**

Why an Agency?

- Europe under-performing on defence
- Unable to give full substance to ESDP
- Partly under-resourcing
- Mainly fragmentation across MS:
 - capability requirements
 - standards, concepts, support
 - demand (equipment, materiel, R&T)
 - supply (industry)
- And fragmentation of process

Agency Concept

- To provide coherence across all efforts to improve Europe's defence performance
 - a “***systems integrator***”
- To provide analyses and inject proposals
 - a “***conscience and catalyst***”
- To provide a forum to the political will
 - a “***channel and instrument***”

Agency Staff & Budget

2005

- **Personnel** - c. 80
- **General budget** - 20 M€
 - *including 3 M€ Operational Budget*

2006

- **Personnel** - c. 90 + 4
- **General budget** - 22,3 M€
 - *including 5 M€ Operational Budget*
- **Ad hoc Budgets**
 - *contributed by Member States for particular projects and programmes*

2007

- **Personnel** - c. 100
- **General budget** - 22,3 M€
 - *including 5 M€ Operational Budget*

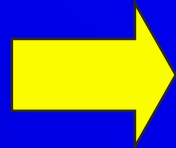
Agency's Comparative Advantages

- ***HEAD* : Secretary General Solana**
- ***STEERING BOARD* : Defence Ministers**
- ***“BIG TENT”*: room for different activities and combinations**
- ***WELL-PLACED* : to identify links and synergies**

STEERING BOARD

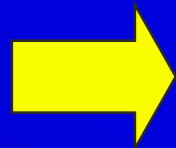
UNDER THE DIRECTION OF EU COUNCIL

Steering Board



- 1 representative from pMS
- 1 representative from the EU Commission

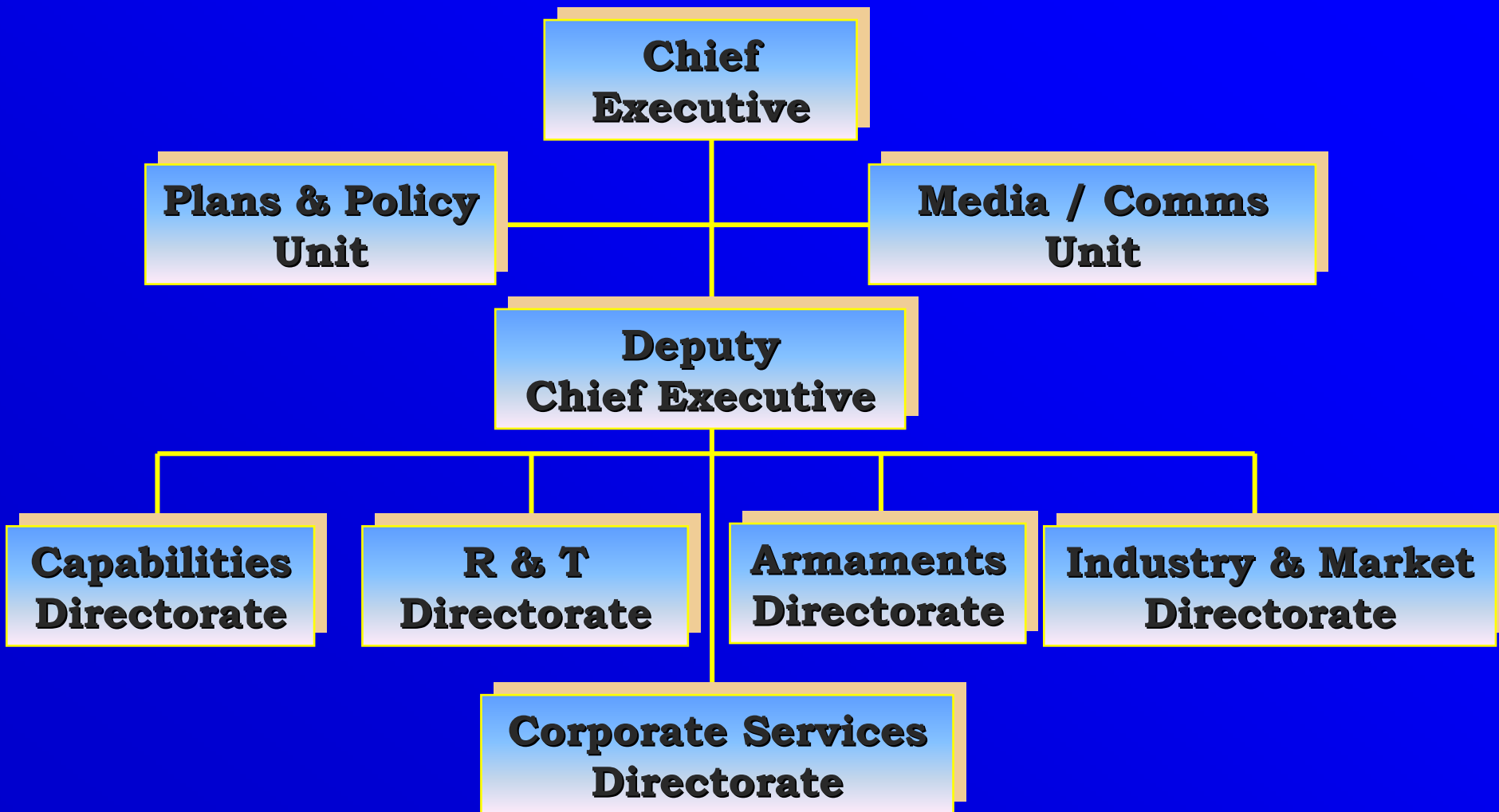
**Steering Board
formations**



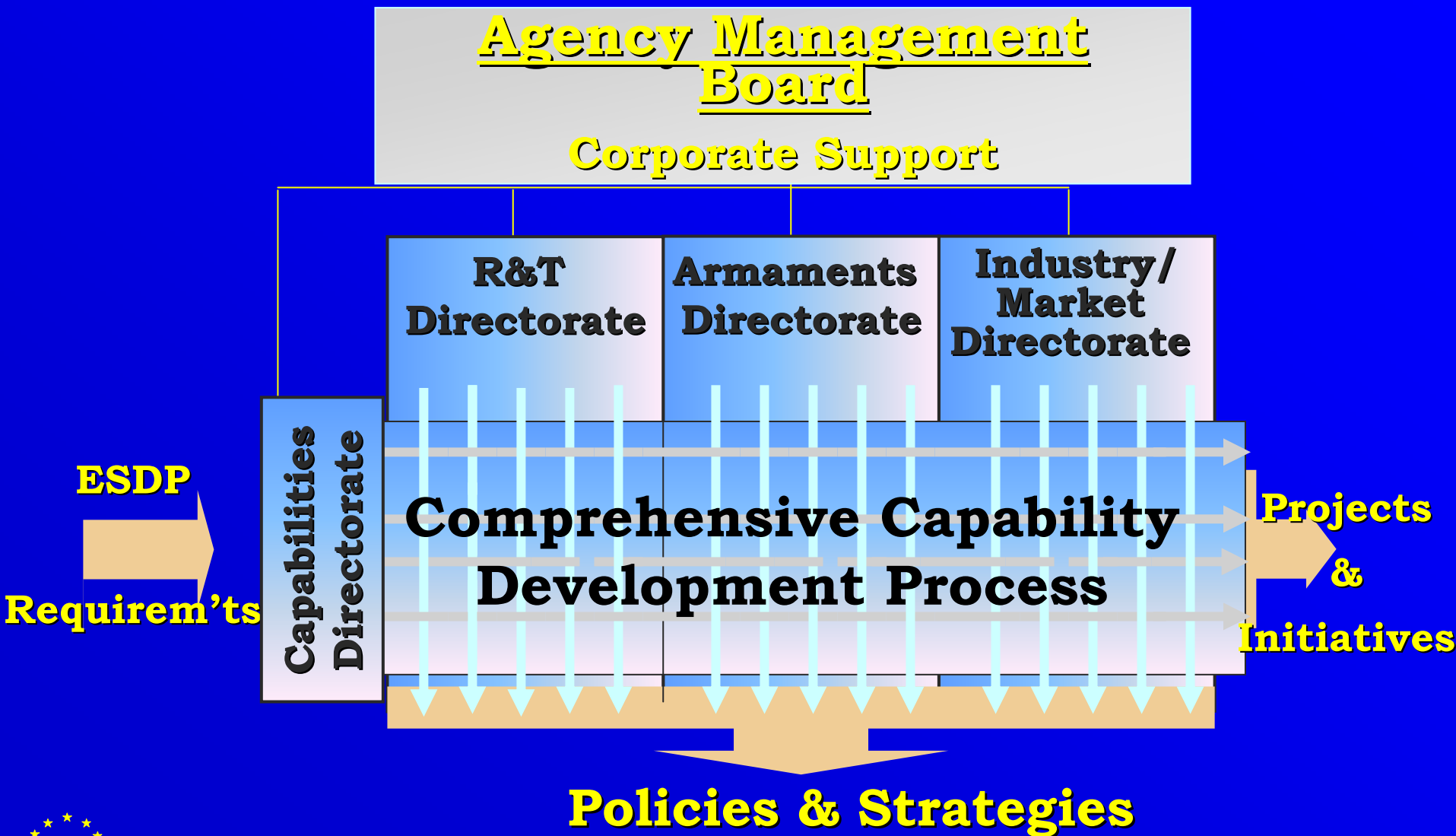
- Ministries of Defence: *Chair SG/HR*
- NADs
- R&T Directors
- DP/CPDs

Chair: pMS

EDA Organigram



Agency's Way of Working



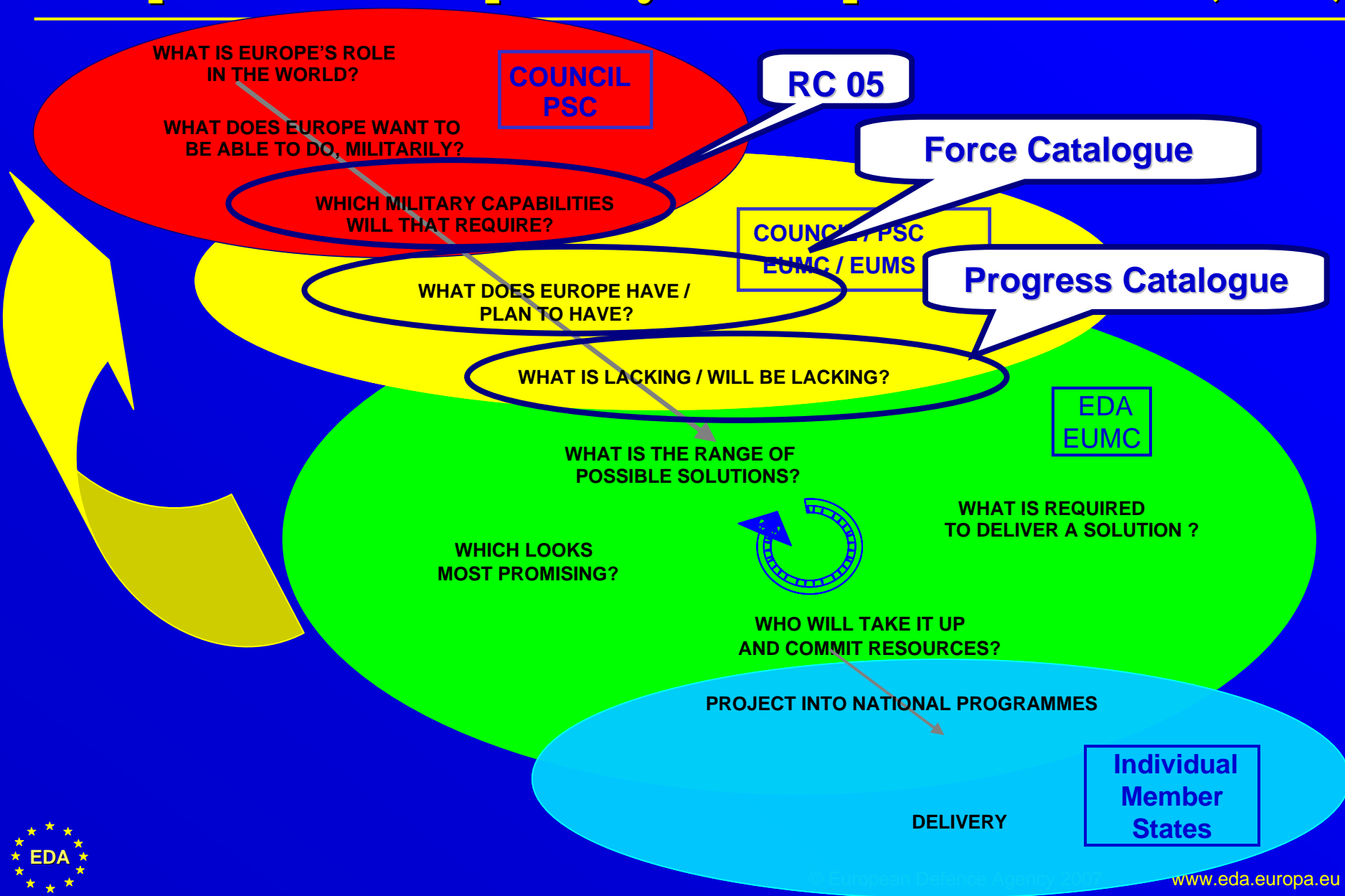
Comprehensive Capabilities Development Process

European Defence Agency

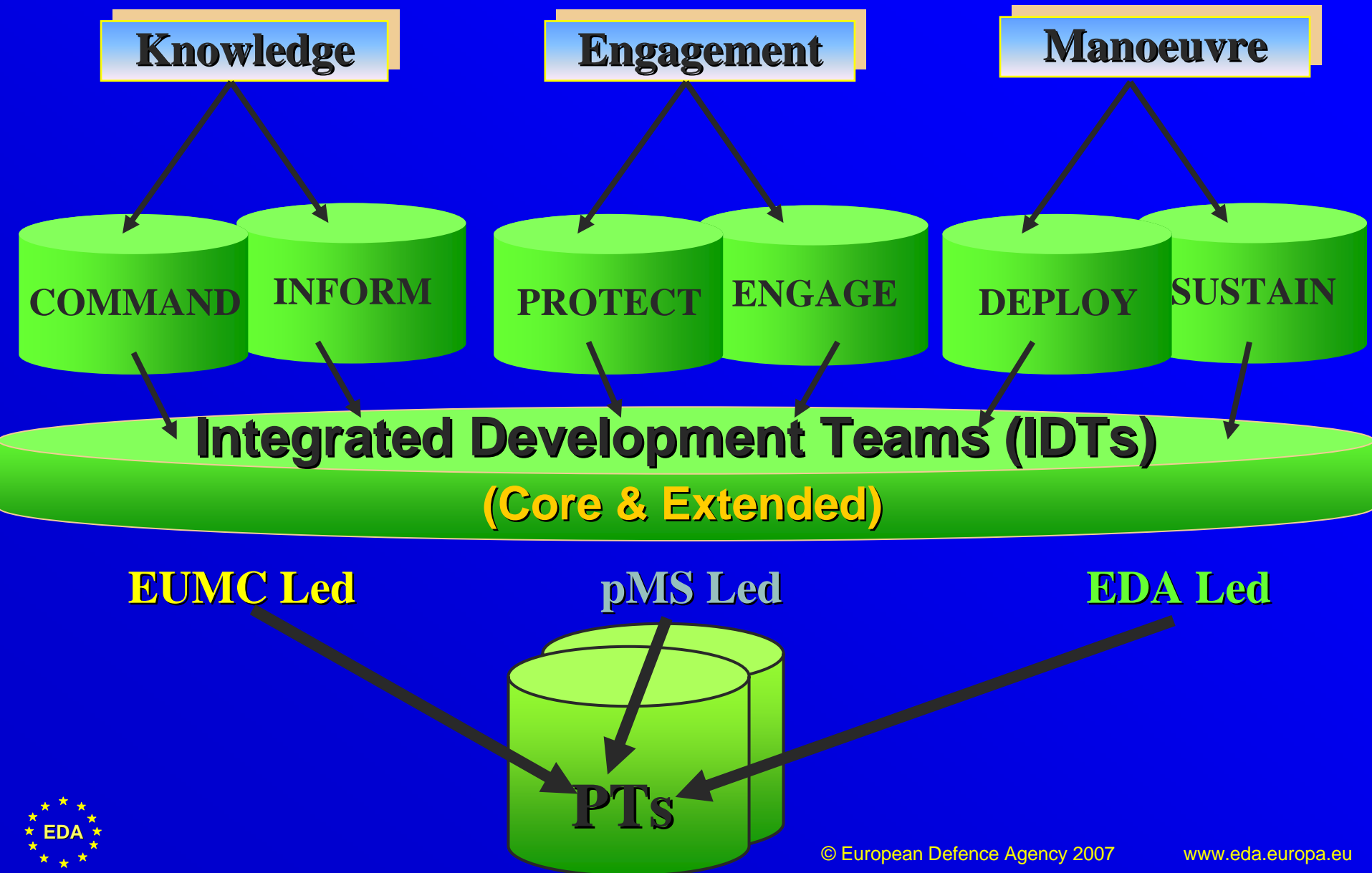
Building Capabilities for a Secure Europe



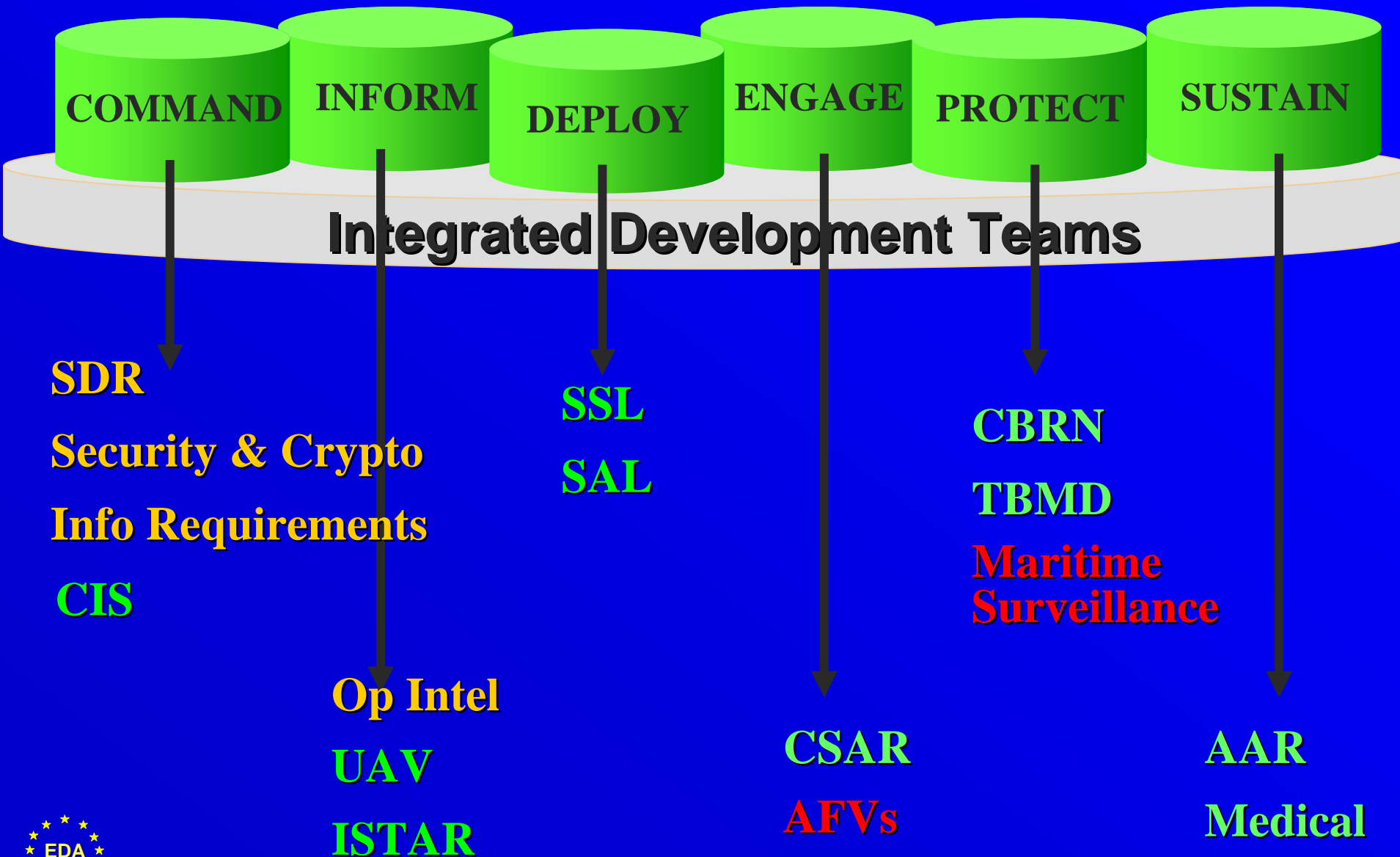
Comprehensive Capability Development Process (CCDP)



Comprehensive Capability Development Process: Areas and Actors



Project Teams: C³ ; ECAP PG ; EDA Flagships



Armaments Cooperation Issues

European Defence Agency

Building Capabilities for a Secure Europe



Armaments Cooperation Process

- **Promotion and enhancement of European *Armaments Cooperation*.**
- **Working with participating Member States on *new multilateral collaborative projects*.**
- **Development of *common standards and procedures*.**

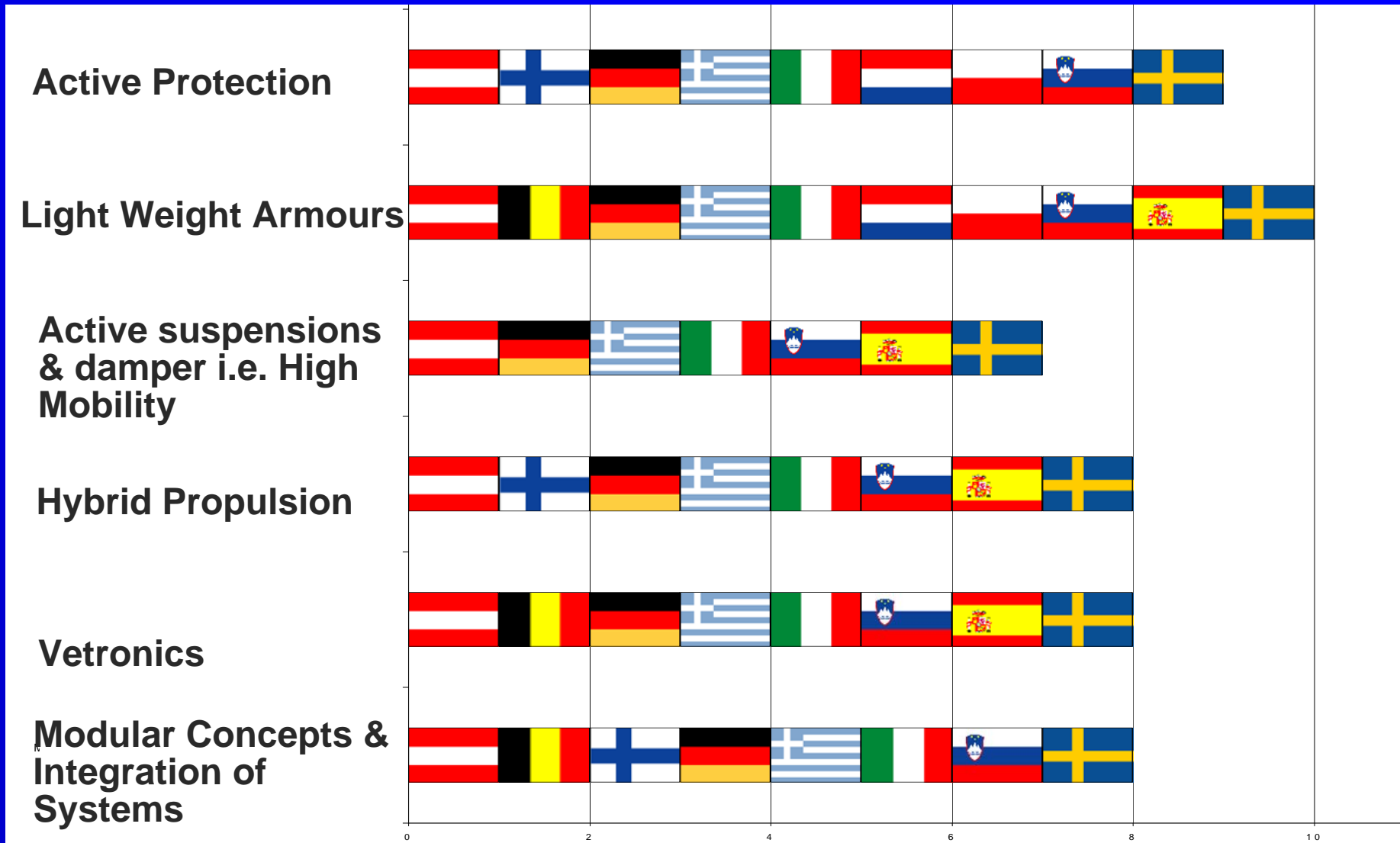
Armoured Fighting Vehicles (AFVs) : the Flagship



- Users Club
- Future Techs



Condensed Technologies List



Feasibility Studies

Beyond Line of Sight Command & Control

Active Protection Systems for air transportable AFVs

Network Enable AFVs

Parametric Study on Virtual Prototypes

Unmanned Vehicles

Armaments Directorate: Other Projects

✓ Defence Test and Evaluation Base (*DTEB*).



✓ Future Soldier Systems



✓ Standardization

✓ OCCAR liaison

Research & Technology

European Defence Agency

Building Capabilities for a Secure Europe



R&T Major Aims

- ❖ To catalyse more European R&T collaborations, focussed on improving defence capabilities;
- ❖ To develop policies and strategies to strengthen defence technology in Europe.

Objectives

1. Providing the necessary European capability orientation;
2. Establishing agreed European R&T priorities (including promising future technologies);
3. Monitoring progress more closely, and reporting to the Steering Board;
4. Increasing synergies, in co-ordination with the European Commission, between Defence and Security Research;
5. Acting as customer for R&T work, on EDA's own account - within the limits of its budget - or on behalf of groups of participating Member States.

R&T Directorate Structure

Col. Angelo Messina

***Information
Acquisition
& Processing***

*UAVs
Industry PoC*

Dr. Octávia Frota

***Guidance,
Energy
& Materials***

*Space
GMES
Information Systems
Long Term Vision
Armed Vehicles*

Ms. Hilary Davies

***Environment
Systems
& Modeling***

ECion PoC

What is a CAPTech ?

- ❖ a **Technology Area** focused on a particular military capability domain and the technologies associated with it.
- ❖ a **Network of Experts** drawn from Member States, Industry, Research Institutes and Academic Institutions.

CAPTechs Networks

- ❖ *EDA Moderator per CAPTech*
- ❖ pMS invited to designate one *National Coordinator* per CapTech (“CNCs”)
- ❖ CNCs will propose other *National Government Experts*
- ❖ *Industry/Research Centers Experts/Agencies* invited to join through ASD or through direct on-line application procedure.

CAPTech Networks

Extranet Fora for Working Groups



CAPTech Networks

How to join a CAPTech?

Registration of Experts to be done on the EDA website:

www.eda.europa.eu

Form available to be filled by each Expert per CAPTech.

CAPTech Areas

Capability
Areas

Knowledge
(Inform, Command)

Engagement
(Engage, Protect)

Manoeuvre
(Deploy, Sustain)

CAPTech
Domains

IAP

Information
Acquisition &
Processing

GEM

Guidance,
Energy &
Materials

ESM

Environment,
Systems and
Modelling

1: Components

1: Materials

1: Design

**2: Sensors
Systems**

**2: Energy &
Propulsion
Systems**

2: Simulation

**3: Signal
Processing &
Computing**

**3: Lethality &
Protection**

**3: Operating
Environment**

4: CIS & Network

**4: Guidance &
Control Systems**

4: Human Factors

CAP
Techs



Defence Industry & Market

European Defence Agency

Building Capabilities for a Secure Europe



Council JA 2004/551/CFSP: Article 5

The Agency shall work in the following principal fields:

.../...

- ***Working to strengthen the DTIB and for the creation of an internationally competitive EDEM in particular by:***
 - ***Developing relevant policies and strategies,***
 - ***Pursuing EU-wide development and harmonisation of relevant rules and regulations***

Defence Equipment Market

Special market rules

European Defence Agency

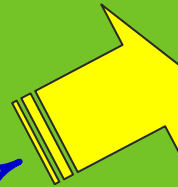
Building Capabilities for

Crucial factors in supporting the pms Defence Capabilities and thus ESDP

Capability driven
Competent
Competitive
&

Efficient Procurement

Industry



Defence
Technological & Industrial Base
(DTIB)

Arms Coop.



The EDA's work on the creation of a truly international
European Defence Equipment Market EDEM

Art 296 of the TEC

1. The provisions of this Treaty shall not preclude the application of the following rules:
 - a) no Member State shall be obliged to supply information the disclosure of which it considers contrary to the **essential interests of its security**;
 - b) any Member State may take such measures as it considers necessary for the protection of the essential interests of its security which are **connected with the production of or trade in arms, munitions and war material**; such measures shall **not adversely affect the conditions of competition in the common market regarding products which are not intended for specifically military purposes**.

The EDA's Intergovernmental Regime

ENDS:

to encourage *transparency* and application of *competition*

AREA OF APPLICATION:

- ***Art. 296 of TEC (Governments)***
- ***Supply Chain (Industry)***

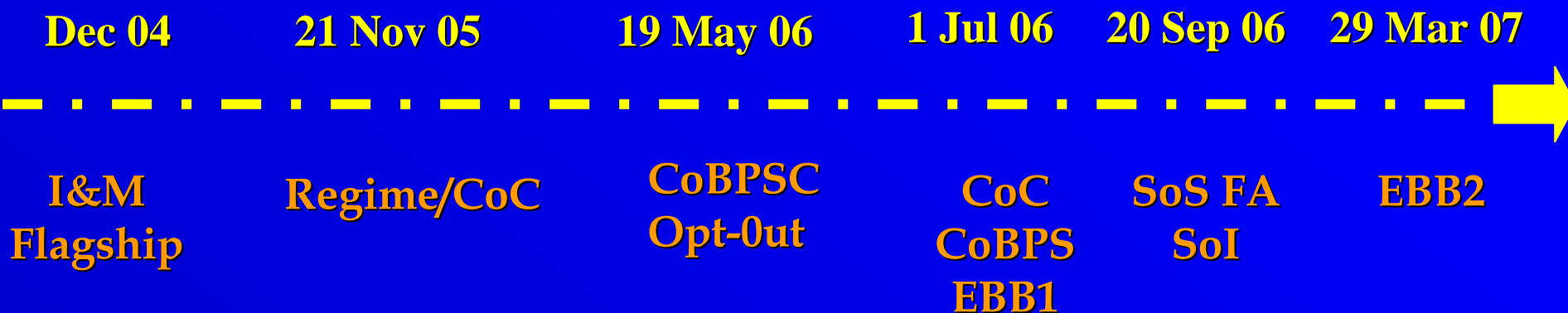
MEANS:

EDA's Regime Package:

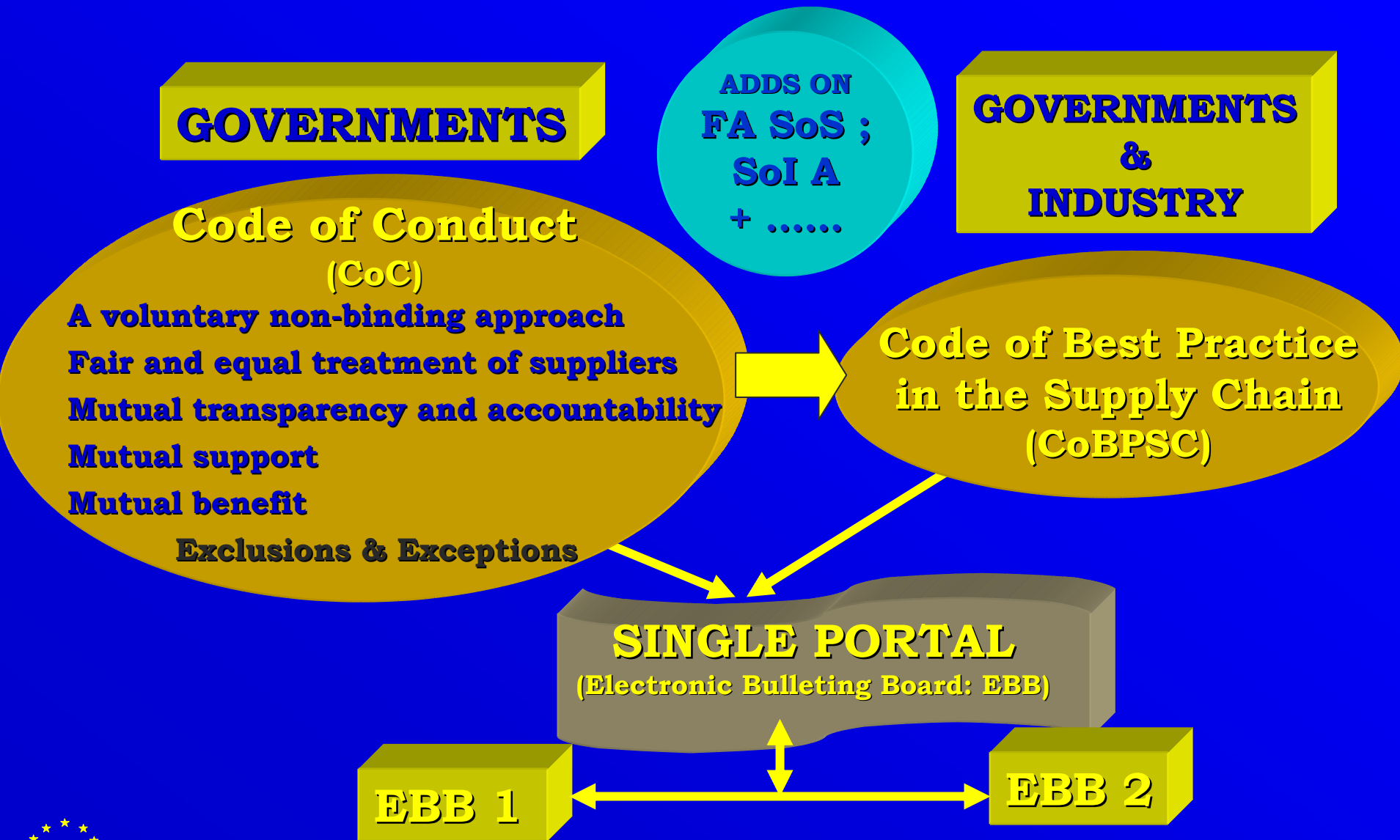
- ***Code of Conduct (CoC)***
- ***Code of Best Practice in the Supply Chain (CoBPSC)***
- ***Electronic Bulletin Board (EBB)***
 - **EBB1(Governments)**
 - **EBB2 (Industry)**

*Continuous dialogue with PMS, Industry,
Commission and other stakeholders*

The EDA's Road Map towards the EDEM



Intergovernmental Regime on Defence Procurement





EBB on Defence Contracts Opportunities



12/03/2007 Home

 Search

Governments Contracts

[Search](#)

[Browse](#)

[Information](#)

Industry Contracts

[Search](#)

[Browse](#)

[Information](#)

My EBB

[Welcome back lefort](#)
[Logout](#)

[My Clipping List](#)

[My Saved Queries](#)

[My Saved Alerts](#)

GOVERNMENT CONTRACT OPPORTUNITIES: [RSS](#)

[Extended Search](#)
[All Notices](#)
[Future contracts PIN](#)
[Active Contracts CN](#)
[Awarded Contracts CAN](#)

Reference	Expire on	Type	Title	Country	Publication date
EDA-991	10/04/2007 04:00	CN	Le présent marché a pour objet la réalisation de prestations de maintenance en vue d'assurer la disponibilité ainsi que ...	FRANCE	09/03/2007
EDA-994		PIN	Software- and Hardwareupdate Ground Station "Recce" (RGS- Recce Ground Station)	GERMANY	07/03/2007
EDA-990	30/03/2007 11:59	CN	Silver-zinc storage batteries	GERMANY	28/02/2007
EDA-992	27/03/2007 12:00	CN	Dock maintenance and repair of type 207 ships	POLAND	27/02/2007
EDA-977	Amended 20/03/2007 09:00	CN	Delivery of UAV's	POLAND	21/02/2007
EDA-981	05/04/2007 11:59	CN	Tanker (Truck)	GERMANY	20/02/2007
EDA-979		PIN	Supply of 2 Radomes (one in option) for Italian Air Force exigency.	ITALY	19/02/2007
EDA-978	Expired 05/03/2007 09:00	CN	Bulletproof vests	POLAND	16/02/2007
EDA-976	Expired 09/03/2007 04:00	CN	Réalisation série du système d'ouverture d'itinéraires minés dénommé "SOUVIM 2"(mass production of SOUVIM 2 mined openin...	FRANCE	16/02/2007
EDA-958	20/03/2007 04:00	CN	major maintenance period of the french navy ship "François Garnier" based in Fort de France harbor	FRANCE	16/02/2007

1 2 3 4 5 6 7 8 9 10 ...

INDUSTRY CONTRACT OPPORTUNITIES: [RSS](#)

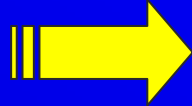
[Extended Search](#)
[All Notices](#)
[Future contracts SPIN](#)
[Active Contracts SCN](#)
[Awarded Contracts SCAN](#)

Reference	Expire on	Type	Title	Contractor	Publication date
EDA-S-123		SPIN	Subcontracting Sheetmetal workpackage	Stork Fokker AESP BV	12/03/2007
EDA-S-44	Cancelled	SCAN	Title	Contractor 1	03/03/2007
EDA-S-39		SCAN	Nikos sub-contract test opportunity	Contractor 1	02/02/2007
EDA-S-43	Amended Expired 07/03/2007 07:00	SCN	Title	Contractor 1	



Europe's multilateral ongoing initiatives

LoI/FA
6 EU
MS



“To facilitate EDTIB restructuring”
Treaty

EU Cion
27 EU MS



**“Regulation of the internal market
for public procurement/transfers in
the area of defence”**
Defence Package

EDA
26 EU MS



**“To strengthen the EDTIB as a
mean to achieve the EDA’s mission”**
Intergovernmental agreements

The EDA's work to support the restructuring and strengthening of the
European Defence Technological and Industrial Base
EDTIB

EDA's EDTIB dossier

ENDS:

Develop a strong future EDTIB to support the present and future defence capability requirements of the Armed Forces of the EDA participating Member States

AREA OF APPLICATION:

In accordance with different roadmaps

MEANS:

EDA's EDTIB package:

- **characteristics of a**
- **EDTIB strategy**
- **EDTIB strategy roadmaps**

Continuous dialogue with PMS, Industry, Commission and other stakeholders

The EDA's roadmap supporting the EDTIB

20 Sep 06

14 May 07

25 Sep 07

**Characteristics
of a strong
EDTIB**

**EDTIB
Strategy**

**EDTIB
Strategy
Roadmaps**



Characteristics of a strong future EDTIB

- Responsive to defence needs;
- appropriate national sovereignty and EU autonomy;
- cutting-edge technology and on time;
- Consider the demand side harmonisation

√ *Capability Driven*

√ *Competent*

√ *Competitive*

need to work towards:

- *More consolidation,*
- *More focus on Centres of Excellence*
- *More integration into wider EIB*
- *Less dependence on non-European sources for key defence technologies.*

EDTIB strategy

✓ Clarifying priorities:

- *Military capability needs: Capability Development Plan (CDP)*
- *Defence R&T Collaboration in Europe (EDRT)*
- *Key industrial capabilities.*

✓ Consolidating demand: CDP as a catalyst

✓ Increasing investments: Spending more, spending better, spending more together (JIPs)

✓ Ensuring Security of Supply: Both in crisis or emergency circumstances and in the long term

✓ Increasing competition: EDEM

✓ Increasing and improving cooperation: Cooperation mechanism.

EDTIB strategy roadmaps

Military needs

1. ***Capability Development Plan (CDP)***

Required Technologies

2. ***Step change in defence R&T collaboration***

Industrial Base and Market

3. ***Key defence industrial capabilities***
4. ***Achieving mutual confidence on SoS***
5. ***Increasing competition***
6. ***Developing depth and diversity of the European defence related supplier base***
7. ***Increasing and improving armaments cooperation***

Robert Schuman
Le 9 Mai 1950.

43

La paix mondiale ne saurait être sauvegardée sans des efforts créateurs à la mesure des dangers qui la menacent.

La contribution qu'une Europe organisée et vivante peut apporter à la civilisation est indispensable au maintien des relations pacifiques. En se faisant depuis plus de 20 ans le champion d'une Europe unie, la France a toujours eu pour objet essentiel de servir la paix. L'Europe n'a pas été faite, nous avons eu la guerre.

L'Europe ne se fera pas d'un coup, ni dans une construction d'ensemble : elle se fera par des réalisations concrètes créant d'abord une solidarité de fait. Le rassemblement des nations européennes ~~exige une~~ l'opposition séculaire de la France et de l'Allemagne soit éliminée : l'action entreprise doit toucher au premier chef la France et l'Allemagne.

Dans ce but, le Gouvernement Français propose de porter immédiatement l'action sur un point limité mais décisif :

Le Gouvernement Français propose de placer l'ensemble de la production franco-allemande de charbon et d'acier, sous une Haute Autorité commune, dans une organisation ouverte à la participation des autres pays d'Europe.

La mise en commun des productions de charbon et d'acier assurera immédiatement l'établissement de bases communes de développement économique, première étape de la Fédération européenne, et changera le destin de ces régions longtemps vouées à la fabrication des armes de guerre dont elles ont été les plus constantes victimes.



Robert Schuman
9 mayo 1950,
Quai d'Orsay
Salons de l'Horloge, Paris

« L'Europe ne se fera pas d'un coup, ni dans une construction d'ensemble; elle se fera par des réalisations concrètes créant d'abord une solidarité de fait »

Thank you ...





This page has been purposely left blank