



# EDA WORK PROGRAMME 2010

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## I. WORK ON LONG-TERM STRATEGIES

### § CDP and Capability Improvement

- § update CDP with participation of pMS, EUMC, EUMS and CGS; (b) refine lessons-learned content of the CDP and conduct a CDP Landscaping exercise; (c) provide input to the future capability development process work in support of the Council; (d) initiate work on collective understanding of national views on future conflicts.
- § **Collaborative Database:** (a) promote the usage of the database among CODABA experts; (b) improve the functionalities of CODABA; (c) match pMS inputs with CDP priorities; (d) promote CODABA within existing EDA expert groups.

### § European Defence R&T (EDRT) Strategy

- § **Implementation of the ENDS:** (a) detail 22 R&T priorities into Key-technologies and Skills; (b) crosslink CDP and EDRT Strategy priorities; (c) promote in particular pMS collaborative programmes/projects in the areas of UMS, CBRN, C-IED, C-MANPADS; (d) develop and launch the European Framework Cooperation with the European Commission and ESA.
- § **Implementation of the WAYS:** develop roadmaps for connecting the planning and implementation phases of the EDRT Strategy.
- § **Implementation of the MEANS:** (a) develop technology roadmaps and strategic research agendas; (b) identify commonalities between national plans; (c) develop R&T networks with industry, research centres, the European Commission and others; (d) improve the generation process of Cat B projects from Outline Description to PA/TA signature; (e) develop an e-learning package for R&T experts and managers.

### § European Armaments Co-operation (EAC) Strategy

- § Implement the EAC Strategy in accordance with the approved Roadmap: (a) apply the "Guide to the Conduct of a Programme Preparation Phase" to the FUAS, MMCM and BIO EDEP projects; (b) enhance armaments education and training by providing a database of providers and options for internet distance learning; (c) produce, maintain and promote a Guide to Armaments Co-operation Best Practice.



## § European Defence Technological and Industrial Base (EDTIB) Strategy

- § **Future Air Systems (FAS):** produce a FAS roadmap and implementation plan on helicopters and UAS in order to provide programme suggestions aiming at launching the first programme on FAS.
- § **Ammunition:** identify concrete collaborative actions in the areas of qualification, reduction of technical non-EU dependencies and harmonisation of requirements.
- § **SMEs:** (a) develop an IT platform facilitating clustering of companies around potential projects resulting from pMS priorities or EDA initiatives; (b) implement the Guidelines for SMEs.
- § **EU12:** implement the key recommendations from the “EU 12 study” inter alia with regard to improving the competitiveness and innovation of their defence supplier base and its further integration into the wider EDTIB.
- § **Security of Supply:** (a) identify best practices and possible models for wider European application, based on a stocktaking of existing measures and agreements; (b) initiate negotiation on an intergovernmental agreement addressing the full range of Security of Supply issues.
- § **Level Playing Field for European Defence Industries:** propose roadmaps on how to address specific factors responsible for developing and shaping the LPF.

## II. PROJECT RELATED WORK

### *PRIORITISED ACTIONS ARISING FROM CDP*

#### § Chemical Biological Radiological Nuclear (CBRN) Defence

- § **CBRN Countermeasures:** (a) develop the concept for CBRN Countermeasures required for ESDP operations; (b) detail requirements to conduct CBRN Countermeasures covering the required capability areas of Prevent, Protect, Respond and Recover and develop a roadmap; (c) launch projects in the area of Prevent with the aim to enhance CBRN Situational Awareness: (i) conduct a CBRN Intelligence Analysts Course; (ii) develop a CBRN Functional Area Service; (d) investigate and identify supporting technological developments.
- § **Ad Hoc Project Cat B BIO EDEP:** (a) develop Common Staff Requirements and a Business-Case; (b) advise CMS/CM to develop a programme Memorandum of Understanding; (c) advise CMS/CM to launch Ad Hoc Programme Biological Integrated Reconnaissance Defence System (BIRD) with the planned integration into OCCAR; (d) develop Test & Evaluation Concepts for Biological Detection Identification and Monitoring; (e) develop a European Biological Aerosol Database; (f)



develop a Database for Biological Agents; (g) develop Chemical & Biological Single Molecule Detection technology.

- § **CBRN Explosive Ordnance Disposal (EOD):** (a) investigate and develop further CBRN EOD training requirements; (b) further develop and refine the CBRN EOD Operational Planning Tool; (c) further develop and promote the CBRNE Training Portal; (d) develop a CBRN EOD Common Staff Target; (e) prepare projects on CBRNE Containment and Dual Individual Protection Equipment.

#### § Counter-Improvised Explosive Devices

- § (a) develop EU Military Search Capability through the provision of pilot training courses; (b) develop CIED Exploitation capability including the development of deployable capabilities and examining pMS support capabilities for in-depth analysis; (c) continue current support to other EU institutions; (d) develop a roadmap for IED detection; (e) initiate R&T activities related to the Exploitation Work Stream, particularly looking at Information Operations Strategy and Forensics; (f) investigate cooperative opportunities related to CIED Mitigation.

#### § Counter Man Portable Air Defence Systems

- § (a) develop a EU Concept on the Protection of Air Assets in ESDP Operations; (b) develop a project plan covering all aspects of Protection of Air Assets and necessary lines of capability development; (c) prepare a CST on Protection of Air Assets; (d) investigate and identify required technologies based on the EU concept; (e) launch supporting Cat B projects.

#### § Helicopter Availability

- § **Helicopter Training:** (a) implement the ad hoc Cat B project on Synthetic Tactical Training; (b) launch Helicopter Training Programme, including support to the preparation of multinational helicopter exercises; (c) develop a sustainable model for the Tactical English Course.
- § **Future Transport Helicopter:** (a) continue implementation of the ad hoc Cat B project and develop the CSR and business case; (b) further investigate the transatlantic dimension of the project; (c) assess possibility of a commercial/security interest for an FTH-type helicopter.
- § **In theatre helicopter support:** examine work on helicopter support in theatre, complementary to work of other international organisations.

#### § ISR Architecture

- § (a) develop a description for ISR Architecture on the basis of the CST; (b) prepare work on the ISR Architecture implementation; (c) start with definition of a CSR.



## § Medical Support

- § (a) develop harmonised procedures for blood and oxygen supply; (b) make proposals for increasing health protection; (c) develop a roadmap to increase the Medical C3 capability (casualty tracking and tracing tool); (d) develop the telemedicine operational capability; (e) assess current MEDEVAC limitations to improve the interoperability of medical evacuations at operational and tactical levels; (f) establish a lessons-learned mechanism for analysing the medical lessons from ESDP operations.

## § Maritime Mine Counter Measures

- § (a) support the ongoing ad hoc Cat B project MMCM; (b) advise cMS/cM in integrating the project into an executing agency; (c) prepare the launch of the ad hoc R&T Cat A programme on UMS.

## § Network Enabled Capabilities

- § (a) deliver NEC vision and roadmap; (b) provide inputs to the Council's Programme of Work on NEC, including regular reports to the PSC; (b) develop a tool to keep track of the NEC Roadmap; (c) launch work on Network Enabled Logistics; (d) launch work on Information management and protection.

## § Third Party Logistic Support

- § (a) operate and further develop the TPLS Platform demonstrator; (b) prove the concept and elaborate options for the live phase; (c) prepare a decision over the live phase.

## § Other CDP priorities

- § Support, upon request, the EUMC/EUMS activity in the domain of Military HUMINT, CNO and Comprehensive Approach.

## **OTHER PROJECTS AND PROGRAMMES**

### § AEJPT - Advanced European Jet Pilot Training System

- § (a) develop a Business Case Document supporting the decision making process after the programme preparation phase; (b) develop a Memorandum of Understanding covering the next phases of the programme; (c) launch the Request for Proposal (RFP) process.

### § Armoured Systems

- § **Armoured Systems/Subsystems:** support the ongoing ad hoc Cat B project Active Protection System.
- § **Future European Armoured System Requirements:** investigate requirements for future Armoured Systems.



## § Camp Protection

- § (a) investigate, prepare and launch camp protection related projects; (b) support the ongoing ad hoc Cat B project FICAPS.

## § Communication & Information Systems

- § **Information Exchange Gateway (IEG):** develop via Reference and Target Architectures a scenario based IEG Demonstrator to depict information exchange between different security domains.
- § **Secure Management Infrastructure (SMI) Capability:** develop in cooperation with EUMS and GSC INFOSEC Office a work strand to support the information technology-based management of security in federated networks based on operations lessons learned.
- § **J1 Functional Area Service Demonstrator:** develop a first J1 demonstrator based on 3<sup>rd</sup> IER study.
- § **C4I Architecture:** develop the Reference and Target Architectures demonstrators in order to support the main ESDP C2 processes.

## § Unmanned Aerial Systems (UAS) Air Traffic Insertion

- § **MIDCAS (Mid-Air Collision Avoidance System):** (a) support the ongoing ad-hoc Cat B project, which will establish a "Sense & Avoid" standard.
- § **Radio Spectrum for UAS Insertion into the General Air Traffic:** develop a common position for the preparation of the World Radio Conference 2012.
- § **Command & Control, ATC link for UAS via Satellite Services:** (a) assess the architecture of Command & Control links via Satellite services; (b) coordinate work with other international organisations; (c) prepare the set-up of a subsequent demonstration phase.
- § **UAS engine:** (a) evaluate the requirements of future European UAS engines inter alia arising from the requirements of the FUAS project; (b) review current propulsion solutions; (c) identify common propulsion requirements.

## § Intel Training

- § **Pilot Courses OSINT:** support the potential transition of the courses to specific pMS.
- § **Pilot Courses on Intelligence Analysis:** organise scheduled courses and prepare the potential transition to specific pMS.



## § Intel Support

- § **Intelligence and Information management:** (a) launch an ad hoc Cat A/Cat B project for a Common Standardised User Interface; (b) develop an IT tool supporting the Intelligence Preparation of the Battle space process.

## § Joint Investment Programmes

- § **JIP - Force Protection:** (a) propose the options for best use of financial surplus from cM contributions; (b) foster exploitation of results and manage contracts.
- § **JIP - Innovative Concepts and Emerging Technologies:** select and contract second call proposals and manage running projects.
- § **JIP - Unmanned Maritime Systems:** establish the ad hoc Cat A programme and coordinate a set of sub-projects.

- § **European Framework Cooperation:** refine the scope, develop and establish the programme.

## § Maritime Surveillance

- § **Maritime Surveillance Networking:** (a) prepare for and launch the demonstration phase of the MARSUR Networking project; (b) prepare detailed options for the launch of ad hoc Cat B projects on a 2<sup>nd</sup> Generation MARSUR Network; (c) with key MARSUR actors, support the harmonization of the Wise Pen "Think Piece" with the EU Commission's documents.
- § **Future Unmanned Aerial Systems (FUAS):** (a) support the ongoing ad hoc Cat B project FUAS; (b) develop the business case together with the CMS and prepare to integrate the project into an executing agency.

## § Non Lethal Capabilities

- § (a) conclude the capture of Non lethal capability requirements; (b) investigate opportunities for R&T cooperation; (c) launch potential ad hoc Cat B projects.

## § Personnel Recovery

- § (a) finalise work on the EU Concept for Personnel Recovery; (b) seek the approval of CST, define capability requirements and possible solutions of the Personnel Recovery System; (c) investigate opportunities for R&T cooperation.

## § Radio Spectrum

- § (a) conduct a survey on activities to mitigate spectrum scarcity, (b) contribute to relevant working parties at European and international



levels to safeguard interests and express a consolidated view of cMS on Radio Spectrum aspects for e.g. SDR, SATCOM, as mandated by respective cMS.

## § Satellite Communication

§ **EU SatCom Procurement Cell (ESCPC):** (a) sign the ESCPC ad hoc Cat B Project Arrangement; (b) launch an operational phase of the ESCPC; (c) promote the ESCPC to all pMS.

§ **Military Tactical SATCOM:** generate a SATCOM Strategic Context Case.

## § Software Defined Radio

§ (a) establish collaboration between key players in order to develop joint architecture and standards; (b) prepare to launch an ad hoc Cat B project on network standardization and certification capability.

## § Logistic Support

§ **Seaborne Logistics:** (a) draft a Seaborne Logistics Support roadmap; (b) develop the CST.

§ **Fuel and Energy:** (a) develop a work programme and roadmap for the short, medium and long term, inter alia in the support of EU Battlegroups; (b) develop the CST.

## § Space

§ **Space-Based Earth Observation:** (a) collect EU lessons learned on past operations and assess potential EU requirements; (b) assess feasibility to participate in the GSC work strand on data security (GMES); (c) (MUSIS) seek synergy with European Commission on R&T and programmes such as GMES; (d) assist in identifying other pMS interested in the MUSIS programme.

§ **Space Situational Awareness (SSA):** (a) endorse the Common Staff Target; (b) discuss requirements with ESA; (c) define follow-on activities.

## § Intelligence, Surveillance & Reconnaissance Platforms & Sensors

§ **ISR Sensors Future Development:** (a) develop EU operational requirements for space-based, seaborne, airborne and ground based ISR systems; (b) develop ISR roadmap; (c) assess optimal balance of ISR capability packages; (d) develop CSTs for specific ISR capabilities identified by pMS.

## § Strategic Transportation

§ **EATF:** (a) further define the EATF model, develop future governance and the legal framework; (b) map the European airlift landscape and propose improvements; (c) develop the 20 work strands.





- § **Strategic Transport:** (a) assess the future needs and requirements for strategic mobility; (b) develop proposals for optimisation of the use of pMS strategic transport assets.
- § **21<sup>st</sup> Century Soldier System**
  - § (a) Harmonise Soldier Modernisation initiatives; (b) define capabilities and technologies to synchronise soldier modernisation programmes; (c) align required capabilities with future soldier generation's research needs.
  - § **Combat Equipment for Dismounted Soldier:** (a) support the finalisation of the CSR; (b) support the launch of R&T projects in coordination with national activities; (c) investigate and identify supporting technological developments; (d) coordinate mapping of industrial expertise.
- § **Soldier Centric Identification System:** (a) finalise the CSR; (b) review of industrial demonstrators.

### III. POLICIES AND OTHER INITIATIVES

- § **European Defence Equipment Market**
  - § **EBB 1&2:** (a) establish the Support Centre to promote knowledge of EDA I&M activities; (b) upgrade the EBB portal.
  - § **Offsets:** investigate encouraging mutual abatements of offset obligations and examine alternatives to traditional offsets.
- § **REACH:** further engage with stakeholders, in particular with industry to obtain a thorough impact assessment, and with pMS to complete the stocktaking of national processes and procedures related to the granting of national defences exemptions.
- § **Defence Test and Evaluation Base (DTEB):** (a) propose subjects for DTEB Plenary Group; (b) provide a plan for implementing the DTEB Conceptual Guide; (c) define the need for and the structure of one single DTEB database; (d) support the ongoing work on ad hoc Cat B project ENTER.
- § **Defence Data:** provide annual overview of the MS defence expenditure to show trends and measure progress against the benchmarks.
- § **Standardisation:** (a) propose an update and maintenance of the European Handbook for Defence Procurement; (b) develop a standardization management best practice model.
- § **Airworthiness & Certification:** (a) develop the specifications of European Military Airworthiness Requirements (EMARs) for Certifications, taking ongoing work related to the Single European Sky into consideration; (b) finalise the MAWA Basic Framework Document; (c) develop the mutual recognition criteria.



- § **Relations with third parties:** further develop relations with third parties, fully utilising the Administrative Arrangements concluded with [OCCAR and] Norway, and pursue complementary activities with Lol and NATO in full respect of the JA establishing the Agency.
  - § **The Lisbon Treaty:** continue to work on assessing Treaty implications for EDA, and/or define/implement possible new tasks deriving from the Treaty, in particular in relation to the potential Permanent Structured Cooperation.
  - § **Pooling and Sharing:** continue to seek and promote opportunities for developing the pooling and sharing of capabilities.
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