



Preparatory Action: priorities

EDA process for the Technology Demonstrator & Critical Defence Technologies

- Input of topics from MS and industry
- Ranking of topics based on scoring (QMV) and knock-out criteria
- Clustering
- Prioritization exercise
- Workshop of 17- 18 May: consultation of MS
- Result: - narrowing down the topics
 - merging topics + integration of topics in larger topic
 - descriptions tailored
- Consolidated views of MS sent to the Commission*

*Proposed options do not prejudice the final selection of the Commission after consultation of the as if PC

Clusters for the TD & CDT

Technology demonstrator

- Information superiority, cyber defence and sensor technologies
- Maritime capabilities and Autonomous platforms technologies and RPAS
- Logistics and energy
- Force protection and soldier systems
- Offensive weapons and major platforms

Critical Defence Technologies

- Information superiority and cyber defence
- Sensor technologies and components
- Logistics and energy
- Force protection and soldier systems
- Offensive weapons and major platforms

Topics for TD

1. Cross-border Cyber Situational defence awareness
2. Maritime Surveillance RPAS: a federative programme with projects on data exchange and fusion, sensor payloads, the platform (in a manned/unmanned mix), the integration of the platform in a C2 environment and various cyber defence aspects
3. Autonomous convoying of vehicles
4. Soldier system with a focus on an Open Soldier Reference Architecture, and integrating and the testing of new technologies
5. Counter hostile drones, including the effectors to destroy them such as lasers

Topics for CDT

1. Coalition Cyber Situational Awareness (area of interest; topic to be defined in greater detail)
2. Combined use of GNSS Systems (area of interest; potential topic to be defined in greater detail)
3. Advanced digital high performance System on Chip and in Package processing technologies for secure, safe and reliable defence applications including technologies such as reprogrammable FPGAs
4. Demonstration of next generation European key enabling sensor components technologies for military applications in radar, communications and electronic protection/warfare.
5. Use of Active Electronic Scanned Arrays (AESA) for Electronic Warfare (EW) applications
6. Cognitive Radar Platform

Topics for CDT

- 7. Biological Standoff Detectors
- 8. Optimized decontamination methods and procedures in urban areas
- 9. Procedures and new technologies for CBR-IED disablement.
- 10. Advanced holistic protective equipment (including blast, impact, C-agents, and camouflage)
- 11. A. Missile fuels, components and materials

OR:

- 11. B. Modularity and Precision for munition: Precision Guided Ammunition (PGA) aims to achieve precision effects.

PA Schedule

- Launch first Call foreseen in mid-2017
- Signature of grant agreement(s) – December 2017 or beginning 2018

Innovation Support Scheme

- Proposal for Innovation Support Scheme
- Spin-in of civilian innovation in defence
- Address non-traditional companies (both SME and larger industry)
- Proposal will be discussed in the meeting of the PA coordination meeting of 13 July

Criteria CAPABILITY-DRIVEN TECHNOLOGY DEMONSTRATOR

General criteria:

- Strategic relevance for CSDP
- Innovative / leading edge technologies
- EU added value
- Potential for future collaborative (acquisition) programme
- Support to the competitiveness of industry

Specific criteria:

- Interoperability
- Open, Modular and Scalable Architecture
- Higher Technology Readiness Level than 5
- Link to CDP Priorities

Criteria CRITICAL DEFENCE TECHNOLOGIES

Criteria

- Critical technology according to the definition
- Possible candidate for European cooperation
- EU non-dependence
- Need to develop or maintain industrial capability
- Issues associated with technology transfer capabilities
- Feasible alternative unlikely
- Long term strategic capability at risk
- Support any priority of EU Capability Development