

AIR, SYSTEMS

(FR) Air Power

(established in November 2021)

For Public Release

PROJECT DESCRIPTION

Air Power intends to define which technological components will be needed for tomorrow's air superiority systems and identify the sub-systems that will be integrated for the update and conception of platforms dedicated to combat from and in the air.

OBJECTIVES/PRODUCTS

The objective of this project is to increase the air superiority capabilities of the armed forces of EU Member States.

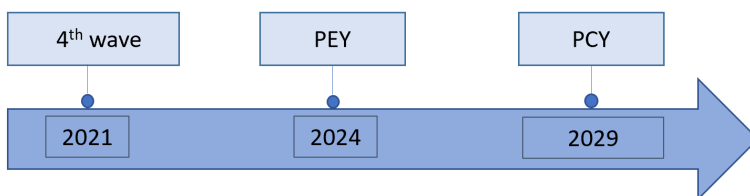
Taking into account common military needs from the Member States and operational feedback, the project aims to:

- Define operational concept and needs for tomorrow air superiority,
- Elaborate doctrines and key essential elements of air power,
- Develop technical requirements for components applicable to all combat platforms (fixed and rotary wings aircrafts, hybrid platforms, UCAVs) such as:
 - Power management (propulsion and system supply, energy reduction),
 - Survivability in high intensity environments (self-protection),
 - Situational awareness (visibility in constraint environment, cooperative fleet control),
 - Crew workload lightening (enhanced environment for pilot).

The project will take into account the results of the EDA's Capability technology groups and give them an operational dimension, in order to define priorities and requirements. It will focus on platforms (combat rotorcraft and aircraft, unmanned air vehicles, remote carriers,) and not on missiles or armament effectors.

INDICATORS

Project Execution Year (PEY) and Project Completion Year (PCY):



DELIVERABLES ACHIEVED

- Use cases and common operational requirements
- Identification of promising technologies
- First specifications and first initial architectures



FR, HR, EL, SE



DE, ES, HU, NL, PT

IDEATION
INCUBATION
EXECUTION
CLOSING



Contribution to the
more binding
commitments

Yes



Capability
Perspective

EU CDP priority
Air Superiority

CARD references
Fighter Aircraft
Attack Helicopter



Operational
Viewpoint

HICG
Air Precision Strike
capabilities,
unmanned;
Maritime
engagement incl.
anti-submarine
warfare (Rotary
wing and anti-
surface warfare)
and Electronic
Warfare (Airborne
electronic attack)



EDA support

No



CRITERIA FOR SUCCESS

- Project leads to High Level Common Requirement, CONOPS and further cooperation in the frame of the CAPTECH or FED to develop technology building blocks for acquisition by EU project members.