

ABOUT THE PROJECT

EICACS

European Initiative for Collaborative Air Combat Standardization

Collaborative Air Combat will involve future air combat systems, manned or unmanned platforms, legacy platforms and their evolution, including sensors, effectors, and connectivity enablers. The EICACS project aims at ensuring the interoperability of such assets and a seamless integration of future air combat systems.

The goals of the EICACS project are twofold:

- the promotion or development of design rules and interoperability standards,
 - to ensure the interoperability of collaborative heterogeneous assets
 - to support secure sharing of resources and exchange of data and information between those systems and platforms for the benefit of the mission execution and performance in systems of systems contexts
 - to offer mission system software scalability to speed up integration of new capabilities
 - to contribute to the interoperability of mission system execution platforms
 - to define functional and physical interfaces of effectors
 - to define functional interfaces of sensors
- the assessment of questions brought by the implementation of AI technologies, including:
 - Airworthiness and safety issues with trustable AI-based functions
 - European sovereignty over AI engineering tools, algorithm libraries and methods enabling the use of AI in military assets
 - Compatibility of tools and processes for the development, the validation, the qualification and the certification of AI-driven operational services

The consortium of the EICACS project gathers industry leaders, institutions, universities, midcaps, and SMEs in 11 countries which testifies to the major interest of the European landscape for this subject.

EXPECTED RESULTS

The ambition of the project is to bring **Collaborative Air Combat** to the next step addressing the European requirement to have highly integrated multiplatform mission management capabilities enabling:



the operation of a variety of heterogeneous assets, manned and unmanned, during air operations, including their interoperability in NATO and other coalition situations

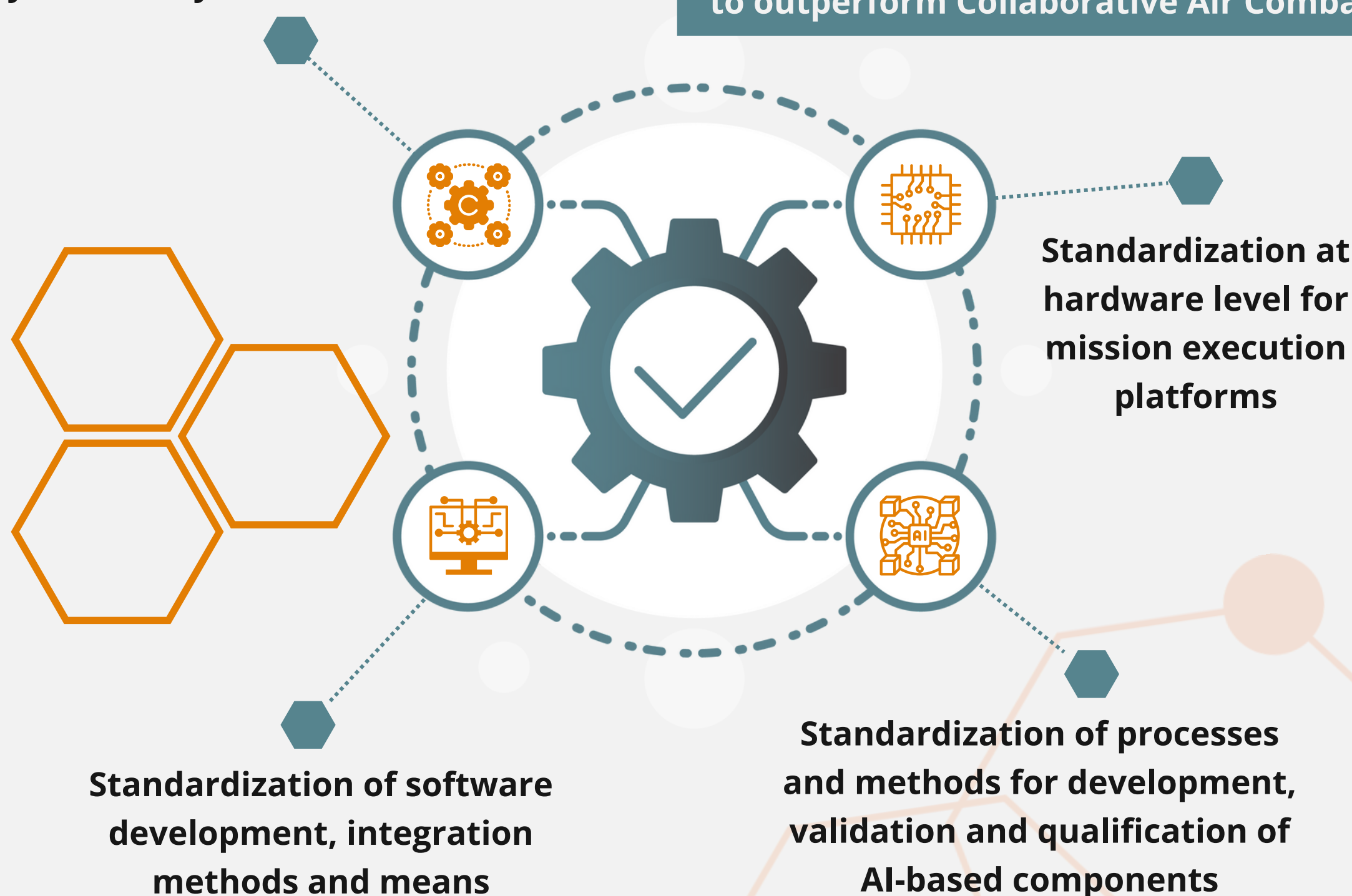
the efficient sharing of sensors and effectors resources of manned and unmanned assets

the sharing of data and information leading to informational and ultimately decisional superiority

Standardization of Collaborative Air Combat allowing the native interoperability of heterogeneous assets, including standardization at platform/sensor/effector/connectivity levels in systems of systems contexts

Standardization

The objective is to elaborate commonly agreed standards proposals that will cover the full spectrum of capabilities required to outperform Collaborative Air Combat



THE TEAM



Co-funded by
the European Union

Co-funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Commission. Neither the European Union nor the granting authority can be held responsible for them.

CONNECT WITH THE PROJECT



eicacs.eu

