

SPACE

(FR) EU Radionavigation Solution (EURAS)

(established in November 2018)

For Public Release

PROJECT DESCRIPTION

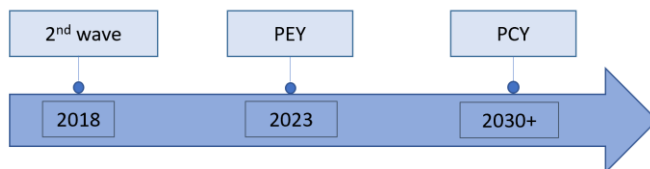
The project aims at promoting the development of EU military PNT (Positioning, Navigation and Timing) capabilities and future cooperation. It will contribute to the need for EU MS' forces to carry out tracking of own operating forces but also to ensure a shared, reliable and continuous positioning system to different assets such as ships, aircraft and other equipment involved in the operational theatre.

OBJECTIVES/PRODUCTS

The objective is to develop EU military PNT NAVWAR doctrine including Galileo capabilities, in particular Public Regulated Service (PRS); Harmonized requirements for the development of innovative server-based PRS applications; Standardized requirements for Galileo-based Blue Force Tracking (BFT) interoperability; Standardized PRS stand-alone Receiver interfaces. The vulnerabilities of the navigation functions, including jamming, spoofing and cyber-attacks and their mitigation solutions will be analysed, described and shared in common documents.

INDICATORS

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



DELIVERABLES ACHIEVED

- 2022 – GEODE: Common Operational Requirements & Technical Requirements
- 2024 – Following deliverables anticipated:
 - Galileo PRS F Memorandum of Understanding signed
 - GEODE IA signed
 - GEODE PRS Receivers standards
 - GEODE critical technologies identification

CRITERIA FOR SUCCESS

- Development of Galileo PRS based PNT military mission “drivers” / scenario and responses (e.g. interoperability with GPS based PNT solutions, Tactical Data Links, etc.)
- Elaboration of a European military PNT & NAVWAR doctrine including standards taking advantage of Galileo PRS capabilities to support the development of military PNT equipment and to achieve interoperability in accordance with identified operational requirements.



FR, AT, BE, DE, ES, IT, NL, PL, SE



CZ, FI, HU, IE, LU, NL



IDEATION
INCUBATION
EXECUTION
CLOSING



Contribution to the more binding commitments

Yes



Capability Perspective

EU CDP priority
Space-based Information and Communication services

CARD references
Defence in Space



Operational Viewpoint

HICG
Joint Intelligence Surveillance & Reconnaissance (JISR)



EDA support

No