CYBER, C4ISR

(EE) Cyber Ranges Federations (CRF)

(established in November 2021)

For Public Release

PROJECT DESCRIPTION

An essential element of the cyber defence capability is highly skilled and well-trained personnel. Enhancing awareness and education of technicians, operators and decision makers is crucial. Cyber Ranges that support training and exercises are essential, scarce, and with different capabilities. Therefore, through pooling, sharing and federating Cyber Ranges, the availability and capacity of the existing Cyber Ranges can be improved. This results in more skilled cyber defence specialists, which contributes to EU cyber resilience and security.

The federated Cyber Range capability can be used for joint capability development of cyberspace technologies, which subsequently allows supporting European industry to develop innovative cybersecurity products and services. This can include emerging and disruptive technologies like artificial intelligence, autonomous vehicles or improving the cybersecurity of existing cyber-physical systems like 5G, power distribution or any military system utilizing the modern infrastructure.

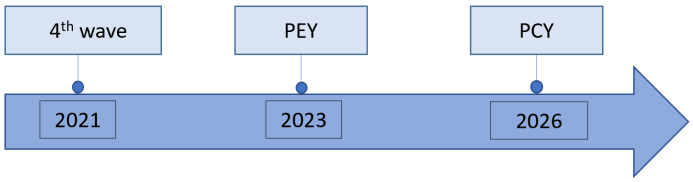
OBJECTIVES/PRODUCTS

Federated capability: The primary objective is to enhance the European Cyber Ranges capability by federating existing national Cyber Ranges into a larger cluster with more capacity and unique services. This correspondingly enables to share and pool the capabilities and improve the quality of cyber trainings, exercises as well as using the federation for cyber-related research and development purposes.

Joint development of Cyber Range capabilities: Additional objective is to share the research and development of the national Cyber Ranges to facilitate standardization between the Cyber Ranges. This enhances interoperability of services and increases sophistication of automated processes to reduce the manual labour currently performed during cybersecurity training, exercise, testing, validation, and experimentation.

INDICATORS

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



DELIVERABLES ACHIEVED

- No deliverables achieved yet.

CRITERIA FOR SUCCESS

- Most of current EDA Cyber Ranges Federation contributing Member States join the PESCO project as project members or observers.
- Permanent federation of Cyber Ranges is accessible to and utilized by relevant stakeholders.
- Cyber Ranges are commonly improved and funded through joint ventures (e.g. EDF). Cooperation with other relevant PESCO projects (CRRT, CIDCC etc.).

EE, AT, BE, BG, FI, FR, IT, LU

CZ, DE, EL, HU, LV, PL, RO, SE

IDEATION
INCUBATION
EXECUTION
CLOSING

Contribution to the more binding commitments

Yes

Capability Perspective

EU CDP priority
Enabling capabilities for Cyber Responsive Operations

CARD references
Enhanced Military Mobility Focus Area

Operational Viewpoint

HICG
Cyberspace

EDA support

No