



European Reference Network for Critical Infrastructure Protection

The ERNCIP network has been established to improve the protection of critical infrastructures in the EU. ERNCIP therefore works in close cooperation with all types of CIP stakeholders, focusing particularly on the technical protective security solutions.

ERNICIP has established a large network of experts to improve the availability of security solutions through common European testing standards, harmonisation of test methodologies and protocols, and common user guidelines. The approach taken involves the creation of a series of working networks of volunteer European experts, assembled in the form of Thematic Groups. Each Thematic Group is led by a Coordinator organisation, appointed by ERNCIP on the basis of its European standing as a recognised authority in that area. Other experts are recruited from organisations that have a recognised expertise in the subject matter. Each Thematic Group produces a work programme for its activities planned for the coming year. These activities are broken down into tasks, each with a lead expert, specific objectives, timescale and identified volunteer expert contributors. The work programme is approved by the ERNCIP Office and coordinated by the Joint Research Centre together with the sponsoring Directorate General (DG) of the European Commission, so that participation by experts at planned meetings can be funded through ERNCIP. Unless classified, all written outputs from the Groups are published through the JRC's publication system, and also made available through the ERNCIP web site.

In 2018, ERNCIP has three sponsoring Commission Directorates:

- DG Migration and Home Affairs (B4. **Innovation and Industry for Security**) sponsors four thematic groups from June 2017 to May 2019:
 - **Detection of weapons and explosives in secure locations** producing European-level guidelines for vehicle screening at entry checkpoints, through a CEN workshop agreement process, and considering the feasibility and benefits of producing European-level guidelines for detecting explosives and weapons at open locations, i.e. without a controlled perimeter.
 - **Chemical & biological risks to drinking water** producing guidance on production of Water Security Plans.
 - **Radiological & Nuclear threats to critical infrastructure** identifying how best to utilise the new list-mode data acquisition standard and emerging detection technologies to improve nuclear security, and defining the characteristics of a centralised system to support assessment and adjudication of radiation alarms.
 - **Protection of Buildings**, updating the risk assessment process for building design standards for explosive threats.
- DG Migration and Home Affairs (D2. **Terrorism and Radicalisation**), sponsors two thematic groups from May 2017 to April 2019:
 - **Detection of Indoor Airborne Chemical & Biological Agents** providing security managers with assistance in planning risk mitigation against these threats by use of available technologies.
 - **Early warning Zones for CIP** producing a "State of the Art" report on the feasibility of integrating biometric technology with other information to provide extended virtual boundaries, including the societal impact of wider use of biometric/video data.

- DG Communications Networks, Content and Technology sponsors the thematic group on the **European IACS Cybersecurity Certification Framework (ICCF)** enhancing the proposed framework by exercises to simulate the behaviouristic and governance model (from March 2017 to March 2018).

ERNCIP has also created an online information repository of EU CIP-related experimental capabilities, the **ERNCIP Inventory**.

For more information: <https://erncip-project.jrc.ec.europa.eu>