

Action for Critical Infrastructure Protection

European Reference Network for Critical Infrastructure Protection

Our mission is to foster the emergence of innovative, qualified, efficient and competitive security solutions, through the networking of European experimental capabilities.

erncip newsletter no. 14

Thematic Group Meetings in Summary



Detection of Explosives and Weapons at Secure Locations

2nd meeting, 14th April 2015, Brussels
3rd meeting, 16th June 2015, Brussels

During the 2nd meeting, the Work Programme approval by ERNCIP was announced to members. The task leaders of the group submitted and discussed their first draft deliverables. These include:

- mapping the Explosives & Weapons threat detection applications;
- the topics of checkpoint, mail, vehicle screening, building/area search and large deliveries; and
- the stakeholder event for the conclusion of the TG 2015 activity.

The 3rd meeting was mainly a review of the task working papers listed above. The experts also discussed the recommendations arising from these tasks and their prioritisation. Finally, the dissemination & exploitation plans were updated in view of the validation of the TG's activity.



Resistance of Structures to Explosion Effects

14th meeting, 7th May 2015, Espoo, Finland
15th meeting, 7th-8th July 2015, JRC Ispra

During the meeting in Espoo a detailed discussion of the status of the TG deliverables took place. These include:

- Basis for improvement of existing standards in testing procedures of security glazing, windows, doors and shutters: ISO 16934 (shock-tube) and ISO 16933 (arena test); and
- Strategy towards standardisation in numerical simulation:
 - seeking recommendations from standardisation bodies;
 - workshop with stakeholders present to drive ideas;
 - first step in standardisation of numerical simulation, which could be the definition of best practices.

Collaboration with CEN was successfully established. The opportunities to introduce recommendations in the existing testing standards and to conduct a CEN workshop for the numerical part of the work are being assessed.

During the meeting in Ispra the main tasks achieved were:

- The two deliverables for this year were reviewed and updated;
- The next steps scheduled.

A representative of CEN provided a comprehensive introduction on the standardisation process, Common Workshop Agreements (CWA), Working Groups (WG) and Technical Committees (TC) which are relevant to the TG's research fields. CEN presented a summary of the steps to be followed in order to successfully submit deliverables to the ESOs.



Chemical & Biological Risks to Drinking Water

11th meeting, 22nd June 2015
Environment Agency Austria Vienna

The experts discussed the draft work programme 2015 including the implication in terms of allocation of working tasks, validation procedures, third-party testing and opportunities for standardisation. The experts debated the proposed deliverable on general requirements for event detection systems related to CB threats to drinking water in terms of definition and context, identifying a need of operational standards to better integrate sensors. Future activities will include a consultation workshop to validate the deliverable and a timetable of proposed standardisation activities for 2016.



Detection of Indoor Airborne Chemical-Biological Agents

Preparatory meeting, 25th June 2015, Brussels

This newly formed group aims to investigate issues that can be addressed at the EU level regarding Detection, Identification and Monitoring of airborne chemical and biological threats in enclosed spaces. This preparatory meeting was held in order to plan the group's activities for the next 12 months. The experts discussed extensively the scope and objectives, debated the methodology to be applied and assisted the coordinator in drafting the work programme for 2015-2016. The results of the bio-detection workshop on "harmonisation/standardisation in the field of biological threat detection by first responders" (Brussels, 17-18 June 2015) were also presented. The group identified new members and planned the formal kick-off meeting for September 2015.

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ERNCIP externally

Improved risk evaluation and implementation of resilience concepts to critical infrastructure (IMPROVER)

1st June 2015, Borås, Sweden

The H2020 project IMPROVER officially started its activities on the 1st June 2015. The coordinator «SP Technical Research Institute of Sweden» held the kick-off meeting on the 11th and 12th June 2015, where all the project partners, as well as officials from the European Commission were in attendance. JRC participates in the project as a partner through ERNCIP. The project will systematically seek the advice of experts and operators working on resilience and/or critical infrastructures through a series of workshops. The first workshop is being held on the 25th September 2015, at the Danish Institute of Fire and Security Technology. Information on the project can be found on: <http://improverproject.eu>

EuroSCSIE and EICS meeting organised by ENISA

21st May 2015, Paris

Security Week - CYBER Technical Committee meeting

25th June 2015, ETSI, Sophia Antipolis

JRC was invited to participate in both events to present the activity of ERNCIP in the context of the proposal from the ERNCIP TG, "Case Studies for the Cyber-security of IACS", for a European IACS Components Cyber-security Compliance and Certification Scheme. The JRC would like involvement by the standardisation bodies and experts in the earliest possible stages of ERNCIP's activities. Cooperation with this community of experts will facilitate the progress of the activities to be carried on between 2015 and 2016. This will include a stakeholder consultation regarding the 2014 TG's proposal and a study aimed at extracting best practices for testing of cyber security components from existing standards.



Focus group with Operators for the development of a training for professionals in critical infrastructure protection and resilience

26th February 2015, Brussels

In November 2014, the ERNCIP Academic Committee, in its role of an advisory body to ERNCIP, has issued a working paper on 'Science-based training for professionals in CIP and Resilience'.

ERNCIP, following a consultation with stakeholders, has decided to pursue the development of a first pilot course based on the working paper, linked to European policies and best practices. As a first step ERNCIP organised this meeting with Operators to gather their functional requirements and views.

ERNCIP wishes to express its gratitude to the Members of the ERNCIP Academic Committee for their commitment and for producing the working paper that led to the development of the upcoming Training for Professionals in CIP and Resilience. Further information regarding this activity will follow on ERNCIP's website and in the future issues of this newsletter.

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Platform, Inventory and Standards



The ERNCIP Inventory

<http://erncip.jrc.ec.europa.eu/>

The ERNCIP Inventory is a free-to-use search tool for open-source information on European security experimental and testing facilities. The system stores detailed profiles of laboratories which have capabilities in the field of Critical Infrastructure Protection.

In 2014, ERNCIP conducted an assessment on the standards, best practices and guidelines that the labs have declared to follow in their testing activity. Based on this, ERNCIP has created a directory of existing international standards for security that could become a reference for CIP related testing activities.

The overall aim of this initiative is to make it easier for CI operators to identify the laboratories in order to perform the evaluation of products, systems or services according to relevant standards that are needed when testing against security requirements.

Publications & Reports



Radiological and Nuclear Threats to Critical Infrastructure Thematic Group

- Current state of the art of unmanned systems with potential to be used for radiation measurements and sampling.
- Possible scenarios for radiation measurements and sampling using unmanned systems.

See full reports at <https://erncip-project.jrc.ec.europa.eu/>

Future ERNCIP meetings

- Kick-off Video surveillance for security of critical infrastructure Brussels, 15 September 2015;
- Kick-off Detection of indoor airborne chemical-biological agents JRC Ispra, 16-17 September 2015;
- IMPROVER workshops - Copenhagen, 24-25 September 2015;
- Kick-off European IACS components cyber-security compliance and certification scheme Brussels, 25 September 2015;
- 16th Resistance of structures to explosion effects JRC Ispra, 29 September 2015;
- 11th Radiological and nuclear threats JRC Ispra, 29 September 2015;
- Kick-off Applied biometrics for critical infrastructure protection Brussels, 6 October 2015;
- CIPNet plenary meeting - Berlin, 8-9 October 2015
- 13th Chemical & biological risks to drinking water JRC Ispra, 13-14 October 2015;
- 4th Detection of explosives & weapons in secure locations Brussels, 3 November 2015;
- 11th ERNCIP EU CIP Expert group meeting Brussels, 9 November 2015.