

# 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. 11

### Thematic Group Meetings in Summary

#### Video Analytics and Surveillance TG

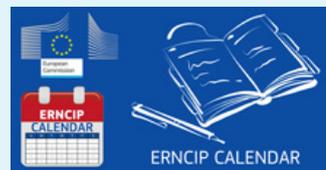
5th meeting on 12 August 2014 in Brussels

A sub-group of the Group met to confirm the outputs that this Thematic Group will be able to achieve under its present mandate, and with its present membership. In particular, discussion took place on how to re-vitalise the initiative on identifying relevant standards. It was agreed to produce a document that would help infrastructure operators to clearly set out their operational requirements for the use of video surveillance technology, as part of their security regime, along with a report on the relevant factors for surveillance and video analytics. These will inform the proposals for ongoing activities of this Thematic Group in 2015 and beyond.

#### Case Studies for the Cyber-Security of Industrial Automation and Control Systems TG

3rd meeting on 24 September 2014 in Ispra

During the last final meeting of this TG, the final conclusions of the case studies were presented and discussed. The group will soon deliver a proposal of a research and action plan for years 2015-2020 concerning a future EU IACS Cyber Security Compliance and Certification Scheme.



### Oct - Dec 2014 TG Meetings

- 8th Applied Biometrics TG meeting on the 7 October 2014 in Madrid;
- 7th RN Threats TG meeting on the 7-8 October 2014 in Teddington;
- 6th Video Analytics TG meeting on the 30 October 2014 in Brussels;

- 12th Resistance of Structures to Explosive Effectse TG meeting on the 3-4 November 2014 in Berlin;
- 8th RN Threats TG meeting on the 12-13 November 2014 in Bonn;
- 9th Applied Biometrics TG meeting on the 15 December 2014 in Ispra.

### Other Events

- 9th ERNCIP Member State Advisory Group meeting on the 1 October 2014 in Brussels;
- 3rd ERNCIP Academic Committee on the 20-21 October 2014 in Ispra.

### Publications & Reports Abstracts



#### Trust building and the European Reference Network for CIP community

This paper discusses trust building within the European Reference Network for Critical Infrastructure Protection (ERNCIP) Project, in which a network of experts are building and promoting the first EU community focused specifically on European critical infrastructure protection research and practice. To this end, the paper examines the concept of trust and its many dimensions, how trust can be monitored, and how trust relates to networks of people and the technologies and mechanisms that they use to cooperate. See the [full paper in ScienceDirect](#).



#### Technology Certification for Critical Infrastructure Protection

Current Procedures in EU and EEA Member States - Final Report

Within Europe, there is a very high level of knowledge and experience in product and facility certification necessary or useful for CIP. The European Union New Legislative Framework has helped to drive the development of the sector, because of the important role given to "notified bodies": organisations selected by the Member States to carry out assessments of conformity with harmonized standards. There are many highly-competent certification bodies, including some world-leaders, and accreditation is well-organised through the national accreditation organisations, coordinated by the European cooperation for Accreditation. At the moment, most of this expertise is directed to general security and safety, and business continuity. Relatively little is focused on CIP. Read more at <https://erncip-project.jrc.ec.europa.eu/news/>



#### CIPedia© is here!

An online community service by the CIPRNet Project.

Derived from the EU FP7 NoE project CIPRNet, CIPedia© aims to be a Wikipedia-like online community service that will be a vital component of the CIPRNet's VCCC (Virtual Centre of Competence and expertise in CIP) web portal, to be hosted on the web server of the CIPRNet project. Read more at <https://erncip-project.jrc.ec.europa.eu/news/news/>

**ERNCIP**newsletter  
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## 2<sup>nd</sup> ERNCIP Operators workshop 19-20 May 2014 in Ispra

This second workshop was organized by ERNCIP, following the 1st ERNCIP Operators' Workshop, held in Brussels on 12-13 September 2013. The work performed within the ERNCIP network aims to be a direct response to the lack of harmonised EU-wide testing or certification for CIP products and services, which is a barrier for future development and market acceptance of security solutions.

Therefore, this year's workshop focused on the needs and practises of CI Operators regarding the assessment, selection and deployment of technological security solutions. The workshop gathered thirty-one professionals representing CI operators from several CI sectors - Energy, Information and Communication Technology (ICT), Transport and Water. The workshop facilitated the communication exchange among operators and sectors, and provided guidance for ERNCIP in its efforts to develop and leverage its role for the benefit of CI operators. The workshop was structured into three closely-linked sessions during which the operators interacted both in the flow of discussions and in the joint work on the questions posed by the dedicated moderators of each session. Each session was centred on a driving question:

- Session 1  
What are today's challenges for operators regarding assessment, selection and deployment of technological security solutions?
- Session 2  
What tools are available for operators and how can these be best utilised in order to address the above challenges regarding the assessment, selection and deployment of technological security solutions?
- Session 3  
How can the ERNCIP network help to address these challenges on an EU level?

During Session 1 and Session 2 the operators were initially divided into three sectoral working groups. The outcome of each working group was thereafter presented by a selected rapporteur (one for each working group) to all participants followed by discussion. This approach facilitated discussion both at a sectoral level, but also on a horizontal level.

Session 3 addressed the outcomes from session 1 and 2 with a focus on ERNCIP's role and took place in the form of an open discussion among all participants. In addition, during session 3, 'green cards' were distributed to all participants on which they could openly express any topic or suggestion. These green cards were reviewed and taken into account after the workshop by the session moderators. For more detail, please consult the Final Report at the [Operators Workshop webpage](#).

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## ERNCIP externally

### CIPRNet Course on Modelling, Simulation and Analysis 10-11 July 2014 in Rome

The CIPRNet Course in Modelling, Simulation and Analysis (MS&A) of Critical Infrastructures has been held inside the Master in Homeland Security on July 10-11 at Università Campus Bio-Medico (UCBM) Headquarters in Rome, Italy. In this 1.5-day event, basic concepts about MS&A of Critical Infrastructures, advanced aspects related to federated simulation and the use of the Open Modelling Interface (OpenMI) have been illustrated in a multi-disciplinary framework to young information security professionals. The ERNCIP office participated in the course with a presentation on Critical Infrastructure Resilience. For more information on upcoming CIPRNet training activities, please consult: <https://www.ciprnet.eu/training.html>

### Participation in 19th EURAS and 11th Balkan Coordinating Committee Conferences

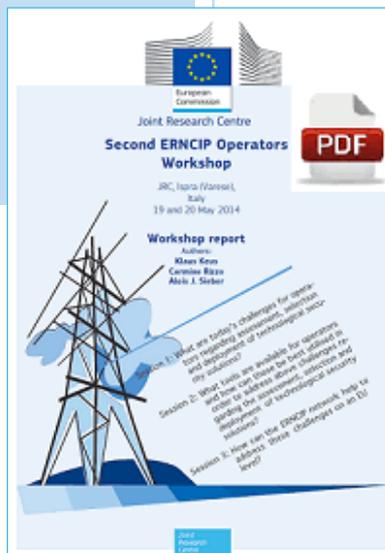
8-11 September 2014 in Belgrade

The European Academy for Standardisation (EURAS) with the Balkan Coordinating Committee (BCC) and the Faculty of Organizational Sciences University of Belgrade organized the Conferences under the theme "Cooperation among standardisation organisations and the scientific and academic community" and "Standardization, prototypes and quality: a means of Balkan countries' collaboration" respectively. The ERNCIP Office participated with a paper titled "Standards for CIP - The Contribution of ERNCIP". During both Conferences, there was a strong willingness of the Balkan countries to collaborate with European Standardisation Bodies, as well as a desire for greater involvement into EU activities in the field of standardised products and services.

### CIPRNet Internal staff exchange programme

15-27 September 2014 in Ispra

The FP7 CIPRNet Project organizes staff exchange between different partners of the network. Such an exchange occurred at the end of September between the Alternative Energies and Atomic Energy Commission (CEA), France and the JRC, which hosted the exchange. Colleagues from the IPSC's Security Technology Assessment Unit and the ERNCIP office welcomed a junior PhD researcher to work together during two weeks on critical infrastructure dependency analysis. The visit included participation of the visiting scientist in ERNCIP activities, presentations of JRC's developed tools for CIP and brainstorming sessions with ERNCIP staff on indicators of cascading failure on Electric Power and ICT systems. To conclude this exchange, a CIPRNet white paper has been written (being finalized) about vulnerability indicators on the electric and ICT network and their dependencies.



THE NEW ERNCIP  
platform is now  
**LIVE**

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

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