

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. 16

Thematic Group Meetings in Summary



European IACS Components, Cyber-Security Compliance and Certification Scheme
Kick-off Subgroup 3, 11-12 February 2016, Paris

The Subgroup met in Paris at RTE premises to start working on the extraction of common good practices and requirements, from existing standards, in order to organize them into a common classification covering an agreed set of domains for Compliance and Certification. The work of this group will continue until the end of June 2016 and will lead to the kick-off of the Sub-Group on "Generic IACS Security Profiles".



Chemical and Biological Risks to Drinking Water
24 - 25 February 2016, JRC Ispra

Purpose of the meeting was to complete the Work Programme 2016, agreeing on the allocation of tasks and to liaise with the EIP Action Group 100 Real Time Water Quality Monitoring (RTWQM). During 2016, the TG experts will work on the identification of the requirements for harmonisation/standardisation activities for real-time monitoring systems related to chemical and biological risks to drinking water. The focus is primarily water security in terms of responding to deliberate chemical and/or biological contamination of drinking water (as per definition of security), although it would also protect against the effects of natural disasters or accidents. Specific tasks will concern:

- the consultation of EUREAU and Member States associations;
- a survey on technical parameters targeted at sensor manufacturers (as result of the new established collaboration with Real Time Water Quality Monitoring (AG100) Action Group);
- to report and validate the results and the outcome in terms of standardisation proposal.



Video Surveillance for Security of CI
1 March 2016, Schiphol Airport

The first outputs from the Group will shortly be published. These cover use cases for video surveillance; the factors influencing the performance of surveillance and video analytics; and the key considerations for the end user when adopting video analytics. The meeting discussed the findings emerging from the Group's analysis of video surveillance standardisation activities in Europe. There exist very few standards in the security domain, particularly in video surveillance systems and for the evaluation and testing of video equipment. The Group aims to include recommendations and prioritisation of possible future standardization activities within its forthcoming report on the current position.



Resistance of Structures to Explosion Effects
9 March 2016, Efringen-Kirchen, DE

The group discussed the work planned for 2016. In addition, a presentation was created in order to introduce the activity and the input for national standardisation bodies. This presentation will be first tested in the meeting with the national CEN TC33 representation in Finland. The report about the possible input concerning standardisation for numerical simulation was finalised. The opportunity to visit the test centre of the Ernst-Mach-Institute was taken.



Applied Biometrics for Security of CI
10 March 2016, JRC Ispra

The Group discussed the continuing input to biometric-related standards, in particular the latest draft of ISO 30137-1, which addresses the use of biometrics in video surveillance systems. The standard is currently at 3rd Working Draft with the aim to get it to Committee Draft at the ISO SC37 meeting in July. It was agreed that the latest draft will be circulated to all members of the thematic group for their contributions. The Group also discussed privacy issues associated with the use of biometric technology and video surveillance, and identified potential collaboration with other JRC projects and with the European Association for Biometrics. It was agreed that privacy should be considered as possible future activity by the Group.



Radiological and Nuclear Threats to CI
17-18 March 2016, JRC Ispra

This planning meeting was attended by the leaders of the sub-tasks, chaired by HT Nuclear OY, Finland, the new Coordinator of the Group. Most of the work of the Group in 2016 will now be aimed at raising awareness on the work and results of the Group, for example with detection equipment manufacturers, system integrators and end-users on the activities on the list mode data format standard. An international workshop is to be organized at the JRC in Ispra in early 2017 in conjunction with the Global Initiative to Combat Nuclear Terrorism (GICNT), using the Group link to the Chair of the Nuclear Detection Working Group.

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ERNCIP externally

ETSI Cyber Security committee

7th-8th February 2016, Sophia Antipolis, France

The Cyber Security committee (TC CYBER) is working closely with relevant stakeholders to develop standards to increase privacy and security for organizations and citizens across Europe. JRC was invited to participate to this TC's meeting to provide an update of the progress made on the IACS components Cyber-Security Compliance and Certification Framework.

European programme for critical infrastructure protection (EP-CIP) Member States (MS) points of contact meeting - Brussels

25th February 2016,, Brussels

The ERNCIP Office presented the current status of ERNCIP to the first meeting in 2016 of the official EPCIP points of contact from Member States, and also introduced the CIP training activities that took place in 2015 with some MS. Malta and Greece shared their experiences of this training, which seemed to have a high impact with several MS expressing interest in performing similar activities in their own countries.

DG HOME's Community of Users (CoU) on Disaster Risk and Crisis Management – focus on CBRN-E

29th February 2016,, Brussels

The ERNCIP Office presented the achievements of ERNCIP in CBRN-E related areas to the third CoU event organized by DG HOME, attended by around 120 participants, and also broadcast on the web. One of the objectives of the CoU is to enhance partnerships between end-users, the Member States as well as the European Commission while the latter can play a coordinating and facilitating role. The ERNCIP office is dedicated to support this process and the modus operandi of its CBRNE thematic groups are in line with this approach.

Future ERNCIP meetings

- Chemical and biological (CB) risks to drinking water
Swindon UK, 11-12 May 2016;
- Resistance of structures to explosion effects
Rijswijk NL, 18 May 2016;
- Detection of explosives & weapons in secure locations
Brussels, 24 May 2016;
- European IACS components cyber-security compliance and certification scheme
JRC Ispra, 25 May 2016;
- Applied biometrics for CIP
JRC Ispra, 26 May 2016
- Radiological and nuclear threats - Robotics sub-group
Eggendorf AT, 20-22 June 2016;
- European IACS components cyber-security compliance and certification scheme
Brussels, 28 June 2016;
- ERNCIP Group of EU CIP Experts
JRC Ispra, 29 June 2016;
- Detection of indoor airborne chemical-biological agents
JRC Ispra, 30 June 2016.

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Training for Professionals in CI Protection and Resilience

Pre-announcement

Since February 2015, the ERNCIP is working on the establishment of a pilot course for Mid-Career Security Managers in Critical Infrastructure Protection and Resilience. The Course will be held in Brussels from the 21st to the 23rd of June 2016 and will cover cases from the Transport and Energy Sectors. The overall experience has been designed to provide a European perspective on common issues related to CIPR and it's strongly tied to Operators' functional requirement for the qualification of security experts. The three-days experience will include a practical approach to systems of systems complexity and simulation together with the review of risk assessment and management methodologies and real cases provided by a committee of Operators. During the third day of Course, a table-top exercise will be performed with the support of a Panel of Observers composed of Member States, Security Agencies and Members of the Academia.

ERNCIP Is currently looking for Expression of Interest to participate to the Course. The profile of the attendees should be either Risk Analyst or Business Continuity Officers (5 to 8 years of experience) from one of the following sectors: national railways or urban transport. Enquiry and expression of interest can be sent to: alessandro.lazari@jrc.ec.europa.eu

Publications & Reports



ERNCIP thematic group Resistance of structures to explosion effects

A set of essential requirements towards standardising the numerical simulation of blast-loaded windows and facades
<https://erncip-project.jrc.ec.europa.eu/networks/tgs/buildings>



ERNCIP thematic group Radiological and Nuclear Threats to Critical Infrastructure

- Survey on the use of robots/unmanned systems in scenarios involving radiological or nuclear threats
- Standardisation of the data format for list-mode digital data acquisition: Survey results
<https://erncip-project.jrc.ec.europa.eu/networks/tgs/nuclear>



ERNCIP thematic group Video Surveillance for Security of Critical Infrastructure

- Surveillance and video analytics: factors influencing the performance
- Surveillance Use Cases: Focus on Video Analytics
<https://erncip-project.jrc.ec.europa.eu/networks/tgs/video>