Action for Critical Infrastructure Protection

European Reference Network for Critical Infrastructure Protection

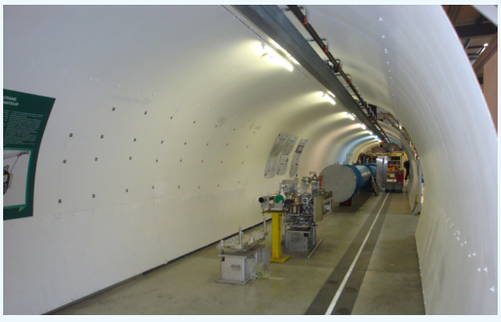
Our mission is to foster the emergence of innovative, qualified, efficient and competitive security solutions, through the networking of European experimental capabilities.

erncip newsletter no. 9

THEMATIC GROUP MEETINGS IN SUMMARY

Radiological and Nuclear Threats to Critical Infrastructure TG

4th meeting on 6-7 February 2014 in Helsinki
5th meeting on 3-4 March 2014 in CERN, Geneva



The 4th meeting of the TG comprised a sub-group of the TG which met to discuss the draft report on list-mode data acquisition. The primary purpose of the 5th meeting was to finalise the State of the Art report on list-mode data acquisition for radiological detectors. The draft report prepared by the thematic group was discussed in detail, and modifications were agreed. The progress of other tasks being undertaken by this group of experts was reviewed, and the date of the next meeting was deferred to June to ensure that the meeting will be able to validate the proposals for data 'reach back' currently being prepared. Holding this TG meeting at CERN provided the participants the opportunity to visit some of the relevant CERN facilities, including a visit to the Isotope Separator On Line DEvice (ISOLDE), which produces a large variety of radioactive ion beams for many different experiments in nuclear and atomic physics.

Resistance of Structures against Explosion effects TG

10th meeting on 13-14 March 2014 in Oberjettenberg, Germany
The TG discussed its present working plan and possible steps for the next year's activity. Two new sub-groups were established:

- the first for experimental methods concerning the analysis of existing standards for shock-tube and HE experiments regarding: mounting, loading conditions, measurement technique, result interpretation, definition of gaps – leading to good practice and more practical testing procedures for implementation into standards
- the second for numerical simulation defining the current best practice for numerical simulations for blast loaded laminated glass and open gap in research concerning blast loaded laminated glass in order to support research calls in the future.

Case Studies for the Cyber-Security of IACS TG

Kick-off meeting on 19 March 2014 in Ispra
The main objective of this new Group for year 2014 is to verify with the industrial partners if there is a need or not for testing and certification of the cyber security attributes of IACS components, sub systems or systems. For this purpose, the group is producing case studies about typical "points of cyber vulnerability" within the IACS architecture where cyber-attacks could succeed. This activity seeks to evaluate, for each case, the need to test and "certify" (with all its nuances) the level of cyber-security of the elements to be incorporated into industrial systems. Five different key elements of a typical IACS architecture have been selected:

- SCADA systems that supervise entire industrial processes;
- Process automation and control equipment on the ground;
- Engineering / programming workstations staff connect to;
- Databases used for process control;
- Telecommunication links.

Chemical & Biological Risks in the Water Sector TG

7th Meeting on 20-21 March 2014 in Ispra
This meeting focused on completing a number of deliverables and to prepare for a workshop. One half day of the meeting was dedicated to information exchange with colleagues from U.S. National Institute of Standards and Technology (NIST), who ad been invited to join the TG meeting. In the course of the meeting, two state-of-the-art reports, produced by group members, were presented and discussed. They overview the monitoring techniques for biological hazards and the detection of biofilms. Along with three other reports, they will be basis for conclusions in the fields of early warning systems and analytical approaches to identify unknown hazards in drinking water. The conclusions will be presented and discussed with stakeholders in workshops later this year. Specifically, the frame for the workshop on early warning systems (26 June 2014) was set during the meeting. The group agreed to elaborate a questionnaire which addresses drinking water operators and asks for specific needs in terms of security. The survey will be distributed in May 2014 and results will be presented at the workshop in June.

ERNCIP newsletter
SECURITY TECHNOLOGY ASSESSMENT UNIT
Institute for the Protection and Security of the Citizen
European Commission
21020 Ispra (VA) Italy
http://ipsc.jrc.ec.europa.eu/

European Commission

Number 9
Jan-Mar 2014
JRC90366

ERNCIP externally

Critical Infrastructure Protection & Resilience conference and exhibition Europe 2014 on 12-13 February 2014 in London

ERNCIP participated to the Critical Infrastructure Protection & Resilience Europe conference and exhibition (CIPRE) to present its findings "on the Challenges for the common testing of CIP security solutions in the EU", and to publicise the ERNCIP Inventory. The ERNCIP stand was mounted in the exhibition venue room located in central London. A demo of the ERNCIP Inventory was set up for continuous display in the exhibition throughtout the Conference, explaining the ERNCIP Project to the conference's participants. On the first day of the Conference, ERNCIP Office formally presented its paper on the Challenges for the common testing of CIP security solutions in the EU. The paper is available for download on the ERNCIP website. Participation in this two-days exhibition proved to be a fruitful experience, further expanding the ERNCIP network with the inclusion of new multidisciplinary experts in the field of CIP and Resilience.

CBRNE meeting on 18-19 February in Brussels

The ERNCIP work by the thematic group on Chemical & Biological risks to the Water Sector was presented as part of the first day of the CBRN Chemical sub-group meeting in Brussels, at the invitation of DG HOME, which was concerned with the state of play of various activities and CIPS/FP7 projects supporting the implementation of the EU's CBRN Action Plan, in respect of Chemical threats. The ERNCIP work was made in the form of a joint presentation by the ERNCIP Office, and the coordinator of the ERNCIP thematic group, Philipp Hohenblum of the Austrian Environment Agency.

Meeting with US National Institute of Standards and Technology in Gaithersburg and visit to the JRC of a NIST representative on 20-21 March 2014 in Ispra

JRC-ERNCIP representatives visited the Standards Coordination Office of NIST Geitherburg on the 4th of March 2014. Both sides discussed the most recent developments of security standardisation work. NIST presented their Cybersecurity Framework and their latest work on disaster resilience. As a follow up NIST representatives participated in the meeting of 20-21 March on CB Threats in the Water Sector and in the 2nd Academic Committee Meeting of 8 April 2014.

Next Meetings/Events

TGs meetings

- 6th Applied Biometrics TG meeting on 11 April 2014 in Ispra
- Video Analytics and Surveillance TG special planning meeting on 4 June 2014 in Brussels
- 2nd Case Studies for the Cyber-Security of IACS TG meeting on 18 June 2014 in Ispra
- 6th Radiological and Nuclear Threats TG meeting on 10-12 June 2014 in Ispra
- 7th Applied Biometrics TG meeting on 23 June 2014 in Ispra

Other key meetings

- 2nd ERNCIP Academic Committee meeting on 8th April 2014 in Ispra
- CEN/TC 391 Societal and Citizen Security meeting on 9-10 April 2014 in London
- 2nd ERNCIP Operators Workshop on 19-20 May 2014 in Ispra
- 8th ERNCIP Expert Group Meeting on 20 May 2014 in Paris
- Chemical & Biological Risks in the Water Sector Workshop on 26 June 2014 near Ispra

Contact

Naouma KOURTI
European Commission, Joint Research Centre
Institute for the Protection and Security of the Citizen
Security Technology Assessment Unit
Via E. Fermi 2749, I-21027 Ispra (VA), Italy
e-mail: erncip-office@jrc.ec.europa.eu
http://ipsc.jrc.ec.europa.eu/?id=688
Tel +39 0332 786045 Fax +39 0332 786565