

Action 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. 2

4th ERNCIP Expert Group meeting

The 4th Expert Group meeting took place in Brussels, 7 June 2012, with the participation of seven Member States' Experts and five Thematic Group coordinators. The purpose of the meeting was to review the progress of the work in the Thematic Groups, to update Expert Group members with other ERNCIP information, including the Conference and the newly launched ERNCIP Inventory and its data population, and to present the proposals for two new Thematic Areas to start in 2012.

The current status of each existing Thematic Area was discussed, with focus on the progress of the preparations of their work programmes. The newly appointed coordinators of the "Video Analytics and Surveillance" and "Biometrics" thematic areas presented their proposals for these areas. One potential new thematic area, "Smart Cities" was proposed, and will be further discussed at a future meeting.

The ERNCIP Office distributed leaflets and a standard PowerPoint presentation about ERNCIP, which is available for any stakeholder to use in external meetings.

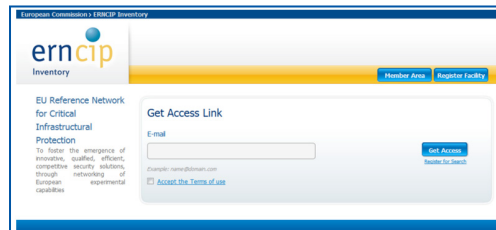
Already over 70 European CIP stakeholders work in the ERNCIP Thematic Groups.

ERNCIP Inventory is on-line

CEA / Le RIPAUT, France

No.	Name	Description
1.	Platform for the measurement of reactive properties of explosives	The facilities include: <ul style="list-style-type: none">• Measurement of the sensitivity of all kind of explosives (thermal, mechanical, radiological, electrical solicitations)• Measurement of the reactive properties: detonation rate, gurney Energy, TNT equivalent, critical diameter, ignition,...• Reconstruction of Improved Explosive Devices. Quantities from gram to several kilograms can be evaluated in these facilities.
2.	Remote controlled synthesis reactor	Reactor permitting the synthesis of all kind of explosives (in particular sensitive HMEs) without contact from g to several hundred of grams.
3.	Structural identification of explosives	Analytical devices for the structural identification of explosives (Mass spectrometry, infra-red spectroscopy and NMR, especially 15N and solid state NMR spectrometry)
4.	Thermal and physicochemical characterization of explosives	Analytical devices for the thermal characterization of explosives (DSC, TGA/MS, Vacuum-Heats with remote control, DMA, TMA) Analytical devices for the characterization of explosives: determination and quantification of impurities, composition of the explosives by UV-IR/CL, HPLC/MS, GC and GC/MS

ment or industrial players, can register in the Inventory and start searching for information about the already registered laboratories. The development of the Inventory goes on and the work on the second release of the system, providing extended reporting and searching functionalities, based on request from the key user group has already started. In parallel, the ERNCIP Office has started an intensive data population campaign, in order to reach a critical mass of data in the system. The campaign started with the ERNCIP Key Users and the Thematic Area members, and will be extended to the wide range of experimental facilities working in the Member States.



ERNCIP externally

- Interservice meeting for ICS and Smartgrid took place on the 8 June in Brussels. Participants included DG ENER, DG CONNECT, DG JRC and ENISA. At the meeting, Mrs Annemarie Zielstra, the coordinator of ERNCIP Industrial Automated Control Systems and Smart Grids

(IACS&SG) Thematic Area, presented their objectives and ensured there was no overlap with other Networks and Groups operating in this field. Both DG ENER and DG CONNECT made clear the areas of competencies. DG ENER informed the participants about the existing processes and groups established to regulate the Smartgrid environment

- The ERNCIP project was presented during the seminar on "EU-US security standards and testing methods" organised by the Joint Research Centre, in Ispra, 20 June. Along with a presentation on NIST, it was discussed how the ERNCIP could best contribute to standardisation of the test protocols in the EU and internationally.

- The ERNCIP project was presented in the meeting of the Smartgrid Task Force Expert Group 2: Privacy, Data Protection and Cybersecurity on the 26 June in Ispra. The Task Force supports DG ENER to prepare the Data Protection Impact Assessment for the Smartgrid and Recommendations for the Cyber security of the Smart-meter.

- The ERNCIP IACS & SG Thematic Area was presented on 27 June to the joint ENISA/European Commission workshop in Brussels on certification of smart grid components, along with announcement of the ERNCIP Inventory launch.

Thematic Areas' Meetings – towards scoping

Chemical & Biological Risks in the Water Sector

The first meeting of the TA Water took place on 16-17 April and the second one on 19-20 June 2012, both at the JRC in Ispra. The group is coordinated by Philipp Hohenblum of the Austrian Environmental Agency, and it includes members from water-related test facilities and authorities. Early on, the group decided not to split into chemical and biological subgroups, but to draw on the interdisciplinary setting it has. While drinking water was defined as its main focus, the second meeting went further to discuss harmonisation of test standards. Issues such as probes and online quality control systems, systems for measurement of microbiological contaminants, identification and screening tests, were discussed in this context.



Next meeting should take place on 4-5 October.

Industrial Automated Control Systems and Smart Grids

The second meeting on this TA took place at Thales offices in Paris on the 20 April with 17 cyber security experts, including representatives from government authorities, security agencies, infrastructure operators, academia, research organisations, and IT vendors.

The group discussed the relevance of the results from the EU project ESCoRTS, funded under FP7, and also the results of the ESTEC feasibility study which looked into the creation of a European network of testing facilities for IACS security.

Following discussion on proposals pre-prepared by some members of the group, a framework was identified within which activities and deliverables from the thematic group can be planned.

The next meeting will take place in October in Amsterdam.

Aviation Security

The second meeting of the Aviation Security Thematic Group took place in Brussels, on 14-15 June 2012, chaired by the Coordinator Goeran Loevestam of JRC-IRMM and with the participation of 40 experts and officials from Member State civil services, test laboratories, aviation security product manufacturers, EOS, IATA, ACI Europe, ECAC and the European Commission.

The meeting considered the European legislative options for test and evaluation of aviation security equipment, in particular the relative merits of defining test methods directly in legislation versus the "new approach" of defining them in associated CEN/CENELEC standards. The participants recognised merits in the existing ECAC Common Evaluation Process, but they are considering ways in which it could be made more rigorous, objective, supportive of innovation and better integrated with European legislation. Working groups are being established for an inventory of technical specifications and detection requirements and conformity assessment documents used in the EU; for a study on state-of-the-art and state-of-practice related to detection feasibility using explosive trace detection; and the assessment and verification of Common/Conformity Testing Methodologies.

The next meeting will take place on 5 October.

Detection of Explosives Materials for Operational Needs (DEMON)

Detection of Explosives in non-aviation sectors

The Kick-off meeting for this group took place in Brussels on 11 April, attended by 11 representatives from the public research and technology and transport organisations, including 3 from the JRC.

This thematic area is coordinated by Didier Poullain of the CEA, a major French government-funded technological research organization, who also coordinates DG HOME's Network on Detection of Explosives (NDE).

Because the Thematic Area is broad, the Group's challenge is to identify points where it is possible to make progress. A unique test, evaluation and certification system for equipment for all non-aviation sectors is seen as attainable only in the very long term. The meeting discussed and refined a draft Work Programme with 5 work packages on: statement of needs for non-aviation explosive detection, technical requirements for detection systems, elements of a European common test methodology, review of existing regulations and framing of recommendations.

The next meeting is proposed for 25-26 September in Brussels.

Future Meetings/Events

- **2nd Meeting of TA on Resistance of Structures to Explosion Effects on 10 July**
- **1st meeting of Video Analytics and Surveillance Thematic Group**

The kick-off meeting for this group is planned in autumn 2012. This TA will be coordinated by the Centre for Applied Science and Technology (CAST) of Home Office, UK. The CAST plays a key role as a science and technology interface between Home Office Ministers and policy makers, front-line delivery partners, and the suppliers of science and technology.

- **2nd meeting of TA DEMON is scheduled for September 2012**
- **1st ERNCIP conference 12-13 December 2012**

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