

## Testing Security: the CI Operators' View

Brussels, Centre A. Borschette, rue Froissart 36, Room AB-5B  
September 12<sup>nd</sup> and 13<sup>th</sup>, 2013

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### ERNICIP Thematic Areas

The ERNCIP work programme addresses several thematic areas (TA), as identified by the ERNCIP sponsors, i.e. the European Commission and the Member States. The work is being undertaken by specific thematic working groups, each led by a coordinator.

- Aviation Security Detection Equipment
- Explosives Detection Equipment (non-Aviation)
- Industrial Automation and Control Systems (IACS)
- Structural Resistance against Seismic Risks
- Resistance of structures against Explosion effects
- Chemical & Biological Risks in the Water Sector
- Video Analytics and Surveillance
- Applied Biometrics for CIP
- Radiological Threats to Critical Infrastructure



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Joint Research Centre

## Testing Security: the Critical Infrastructure Operators' View Workshop

September 12<sup>nd</sup> and 13<sup>th</sup>, 2013

Venue:

Brussels, Centre A. Borschette, rue Froissart 36, Room AB-3B

The European Reference Network for Critical Infrastructure Protection (ERNICIP) project was established under the umbrella of the European Programme for Critical Infrastructure Protection. The mission of ERNCIP is to foster the emergence of innovative, qualified, efficient and competitive security solutions, through the networking of European experimental capabilities.

ERNICIP provides a framework for CIP-related experimental facilities and laboratories to share knowledge and expertise, and to harmonise test protocols throughout Europe, aiming at improved protection of critical infrastructure (CI) in the EU against all types of threats and hazards.

Preparing for the next operational phase of the project, the ERNCIP Office intends to put emphasis on exploiting the knowledge gained by intensifying the collaboration within the CI operators community. The structured involvement of CI operators in ERNCIP is expected to strengthen the pool of scientific and technological expertise, developing both 'push' and 'pull', and will enhance the mechanism for assessing ERNCIP's working methodology and results.

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# Testing Security: the CI Operators' View

## 12 September 2013

### 13:00 - 17:30 (Registration from 12:00)

The aim of the first ERNCIP CI Operators workshop is to: 1. Collect testing related needs and requirements from operators; 2. Investigate the possibility of setting up a standing advisory panel of CI operators; 3. Disseminate the achievements of ERNCIP so far; 4. Support the development of a Single Market with more cost efficient Security.	13:00	Workshop Opening
		Critical Infrastructure Protection - achievements and future developments
There is an ongoing discussion about what should be tested when testing security solutions in CI - components or systems, or both, and how? Should we move from laboratory tests towards more testing in real operational environments, and if so, how? How should one take into account the human factors, or the interoperability of different systems and components? What about the debate on more emphasis to be put on resilience instead of increasing protective measures? What would it imply for CI operators? How can the resiliency of a CI be tested? This section deals, inter alia, with these issues, particularly aiming at shedding light on how the CI operators see the current situation and future challenges.	13:40	<b>Session 1: Risk Assessment, Protection and Resilience - Implications for Testing</b>
		From risks assessment to security capabilities : the need for an comprehensive approach. Example for a multimodal hub
		Current EU Initiatives - JRC: Geographical Information System (GIS)
		ERNCIP Thematic Group: Detection Equipment Materials for Operational Needs
		Building capacities for resilience
		Operator view - Aviation
		Coffee Break
		Critical Infrastructure Preparedness and Resilience Research Network (CIPRNet)
		Operator view - Energy
		ERNCIP Thematic Group Industrial Automated Control Systems & Smart Grids
		A manufacturer's perspective
		Round table discussion
CI operators need to prepare for the unexpected. During an incident, they will need to continue to deliver their service where possible, while ensuring the safety of staff and customers. Post-incident, recovery of full service becomes the priority while ensuring lessons are learnt for the future. <i>(Continued on next page...)</i>	16.45	<b>Session 2: Crisis Management and Recovery - Implications for Testing</b>
		Recovery management in practice: The case of a major airport
		ERNCIP Thematic Group: Radiological and Nuclear threats to Critical Infrastructure
<b>17:30 - End of First Day</b>		

# Testing Security: the CI Operators' View

## 2<sup>nd</sup> day - 13 September 2013,

### 09:00 - 13:00

	9:00	Opening of the Second Day
		Overview of Selected National (US) and International Standards in Support of ERNCIP Thematic Groups
<i>(Continued from previous page...)</i> This session will explore the arrangements that CI operators make in anticipation of serious operational problems, particularly the testing requirements associated with solutions that support crisis management and operational recovery.	9:20	<b>Session 2: continuing...</b>
		Operator view - Energy
		ERNCIP Thematic Group: Resistance of structures to explosion effects
		Operator view - Aviation
		Current EU Initiatives in the field of civil protection - DG Echo (Humanitarian aid and civil protection)
		Coffee Break
		Real-Time Technologies for Early Contamination Warning in Water Security Systems
		Operator view - Water
		ERNCIP Thematic Group: Chemical and biological risks in the water sector
		Round Table Discussion
How do we adapt our protection and resilience measures to ever evolving threats? What new technologies are available out there and how can they be used to fulfill our requirements for protection and resilience? How can new technology be deployed in a manner that fulfills requirements on time to market and cost efficiency, without jeopardising the need of thorough testing and validation.	11:30	<b>Session 3: Future Technological Challenges, Needs and Solutions</b>
		Innovation in cabin baggage screening process
		ERNCIP Thematic Group: Aviation security detection equipment
		Emerging Technologies for CIP: can they deliver on your requirements?
		Possible future steps to increase industrial competitiveness via pan-European tests, validations and certifications
		Round Table Discussion and Conclusions of Workshop
<b>13:00 - Closing of Workshop</b>		