Ten years of European Policy on Critical Infrastructure Protection and Resilience.

What’s next for EU Member States.

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Timeline.
(What we have achieved so far)

- 2004: Prevention, preparedness and response to terrorist attacks
- 2005:
- 2006: Green paper on EPCIP
- 2008: EPCIP [2006-2012]
- 2013: DIR 114/08/EC

Terrorism
- Protection against “all hazards”

Resilience
the objectives.

• Implementation of the Directive 114/08/EC beyond formal compliance.

RESEARCH QUESTIONS

• How can the Member States and the EU maximise the use of the Directive 114/08/EC and enhance CIP?
  - What was the substantive scope of the Directive?
  - How did the Directive impact the national contexts?
  - Is the number of designated ECIs the only “success” factor?
The scope of the Directive 114/08/EC

• Transnational response to the risks of possible catastrophic impact related to critical infrastructures.

• Harmonisation
  ➢ Goal: the functioning of the internal market
  ➢ Legal basis: art. 308 TEC; but with the Lisbon Treaty in force, maybe also art. 114 TFEU!

• Security culture throughout Europe
Disaster risks

- High level of uncertainty (low probability threats)
- Elevated consequences in terms of casualties and losses (vulnerability)

REGULATORY ISSUES

- Assessment of probability
- Assessment of severity and impact
Have the Member States effectively addressed these issues in the implementation of the directive?
Are there different perspectives on the concept of “success” factor?

Dear Colleague

Welcome to the latest news update from the Critical Infrastructure Protection & Resilience Europe 2014 conference and exhibition.

Critical Infrastructure Protection and Resilience Europe will bring together leading stakeholders from industry, operators, agencies and governments to collaborate on securing Europe. The conference will look at developing existing national or international legal and technical frameworks, integrating good risk management, strategic planning and implementation.

**Securing Europe’s Critical Infrastructure**

We invite you to join us and the industry in London on 12th-13th February.

**EVENT NEWS**

Great speakers delivering exciting discussions at Critical Infrastructure Protection & Resilience Europe

The implementation of the EPCIP, under Council Directive 2008/114/EC on the identification and designation of European critical infrastructures and the need to improve their protection, has not been completely successful.

Apart from the number of designated ECIs, can the path toward European harmonization and standardization be considered as a success factor?
Some premises...

Directive constitutes a **first attempt**

...to establish a **unique procedure** for the identification and designation of ECIs...

...the **ultimate responsibility of the Member States** to manage arrangements for the protection of critical infrastructures within their national borders...

...where mechanisms “are already in place, they should continue to be used and will contribute to the overall implementation of this Directive. **Duplication of, or contradiction between, different acts or provisions should be avoided**”.
The "Security Pyramid"

Governmental intervention

Policy

Operative aspects

Coordination

Information Sharing With Operators of NCIs

Performances:
• Efficiency;
• Effectiveness;
• Proportionality;
• Robustness;
• Flexibility;
• Comprehensiveness.
The impact of the Directive in countries with consolidated approach to security issues...

**Focused on Operators**
- Prime Minister, Ministries, Department and Offices.
- Sectorial Approach: communications, emergency services, energy, financial services, food, government, health, transport, water
- Security Agencies: CPNI, NISCC, CESG, NaCTSO, CTSA
- PPP with Operators / Owners of NCIs

**Focused on Intelligence**
- President of the Council of Ministries, Ministries, Departments and Offices.
- Security Agencies: CISR, DIS, AISE, AISI.
- Hearing of main NCIs.

After the implementation of the Directive...

**Administrative Arrangement**
- CPNI

**Legislative Decree 61/2011**
- NISP

Implementation measure: Ordonanta de urgenta 98 din 3 noiembrie 2010.

Prime Minister

9 Ministries + Intelligence Services + 3 agencies

11 sectors NCIs

NCIs and ECIs

must have SLO and OSP

CCPIC (Centre for Coord. of CIP)

Romanian Prime Minister Decision n. 166/2013 on OSP

Order of Ministry of Labor and the National Institute of Statistics n. 2176 (2013) on SLOs

Competencies and Governmental intervention

Policy, regulation and operative aspects

Coordination and Information Sharing

Tailored measures
The impact of the Directive in the EU. Direct benefits of the implementation procedure.

- European Security
- European Framework
- National Security
- European Integration

Achievements:
- Discussion
- TLPs
- Criticality assess.
- Vocabulary
- Mutual awareness
- Neighboring
- Interdependencies

Limits:
- Language
- Social differences
- Principle of reciprocity
- Limits in sharing
- National interests
- Seclusion
Harmonization of approaches throughout Europe: the Operator Security Plans (OSP) [1]

Protection of ECIs → Drafting of the O.S.P. → Annual review of the O.S.P. → Designation of a Security Liaison Officer

- **Asset identification**
  - Identification of important assets

- **Risk analysis**
  - Threat scenarios
  - Vulnerability assessment
  - Potential impacts

- **Controls**
  - Identify, select and prioritize counter-measures
  - Controls should distinguish between permanent and graded measures

- **O.S.P.**
  - Assess whether an ECI has already an O.S.P. or equivalent
  - Develop O.S.P. following the steps highlighted above
Harmonization of approaches throughout Europe: the Operator Security Plans (OSP) [2]

- ISO 14001 / EMAS
  Environmental management

- BS OHSAS 18001
  Occupational Health and Safety Assessment Series

- ISO/IEC 27001:2013
  Information technology -- Security techniques -- Information security management systems

- ISO/IEC 22301:2012
  Societal security -- Business continuity management systems

- ISO/IEC 15408-1:2009
  Information technology -- Security techniques -- Evaluation criteria for IT security

- IEC 31010:2009
  Risk management -- Risk assessment techniques
Harmonization of approaches throughout Europe: the Operator Security Plans (OSP) [3]
Conclusions.

• **Collaboration beyond the neighboring criterion** and between countries with same governance structure and *modus operandi* is the key for success;

• **Creation of models** for assessing the effectiveness of the National Policies of the EU Member States brings better and stronger awareness;

• Overall the Directive created a common playing field and Member States now share a closer **security culture**;

• A more **interconnected and harmonized Europe** will recall the importance of the designation of ECIs.