



# European Programme for Critical Infrastructure Protection (EPCIP)

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European Commission

Directorate General Justice, Freedom and Security

Unit F1 - Fight against Terrorism

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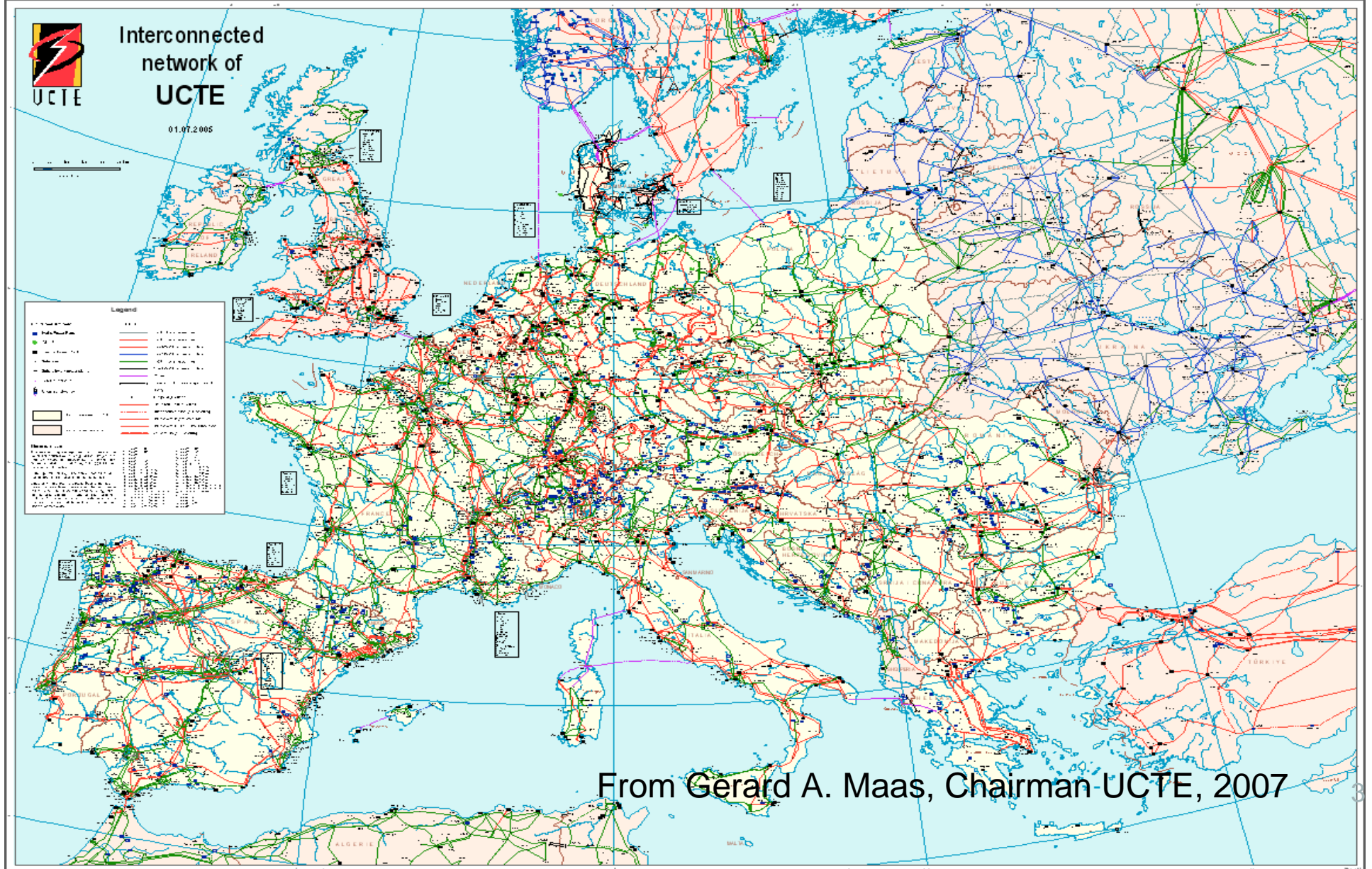




## **The European Programme for Critical Infrastructure Protection**

- **The protection of critical infrastructures is a national competence**
- **Sectoral interdependencies**
- **Geographical dependencies in Europe**

# The European interconnected grid



From Gerard A. Maas, Chairman UCTE, 2007

# EU Critical Infrastructure Protection



- **2004**
  - European Council requests the launching of CIP work
  - Commission Communication
- **2005**
  - Commission Green Paper
- **2006**
  - Communication on a European Programme for CI Protection (EPCIP)
  - Proposal for a Directive on the identification of European Critical Infrastructure
- **2008**
  - Adoption of Directive 2008/114/EC

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# EU Critical Infrastructure Protection

## The European Programme for Critical Infrastructure Protection (EPCIP)



**Measures designed to facilitate the implementation of EPCIP**

- **CIWIN**
- **CIP expert groups**
- **CIP information sharing**
- **identification and analysis of interdependencies**
- **ERN-CIP**



**Support for Member States concerning National Critical Infrastructure**



**Contingency planning**



**External dimension**



**Accompanying financial measures**

**EU programme "Prevention, Preparedness and Consequence Management of Terrorism and other Security Related Risks" for the period 2007-2013**



**Directive 2008/114/EC (8 December 2008)**

**A procedure for the identification and designation of European Critical Infrastructures (ECI)**



# Directive 2008/114/EC

- **Negotiations launched in January 2007**
- **April 2008 – Ministers agree on a need for a step-by-step approach limited to two sectors: energy and transport**
- **June 2008 – Council reaches political agreement on the Directive**
- **Formal adoption of the ECI directive on 8 December 2008**

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# Directive 2008/114/EC - Objectives

- **Common procedure for the identification and designation of European Critical Infrastructure (ECI)**
- **Common approach to the assessment of the need to improve protection**

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# Directive 2008/114/EC - Definition

## Critical Infrastructure (CI)

.....means an asset, system or part thereof essential for the maintenance of vital societal functions, health, safety, security, economic or social well-being, and the destruction or disruption of which would have a significant impact in a Member State as a result of the failure to maintain those functions

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# Directive 2008/114/EC - Definition

## European Critical Infrastructure (ECI)

....means critical infrastructure located in Member States the destruction or disruption of which would have a significant impact on at least two Member States

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# Directive 2008/114/EC - Sectors

## ENERGY

- **Electricity Infrastructure and facilities for generation and transmission of electricity in respect of supply electricity.**
- **Oil production, refining, treatment, storage and transmission by pipelines**
- **Gas production, refining, treatment, storage and transmission by pipelines, LNG terminals**

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# Directive 2008/114/EC - Sectors



## TRANSPORT

- Road transport
- Rail transport
- Air transport
- Inland waterways transport
- Ocean and short-sea shipping and ports

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# Directive 2008/114/EC – Identification

- **ECI must satisfy both cross-cutting and sectoral criteria**
- **Cross-cutting criteria: casualties, economic effects, public effects**
- 
- **Sectoral Criteria have been established for Transport and Energy sectors (classified)**

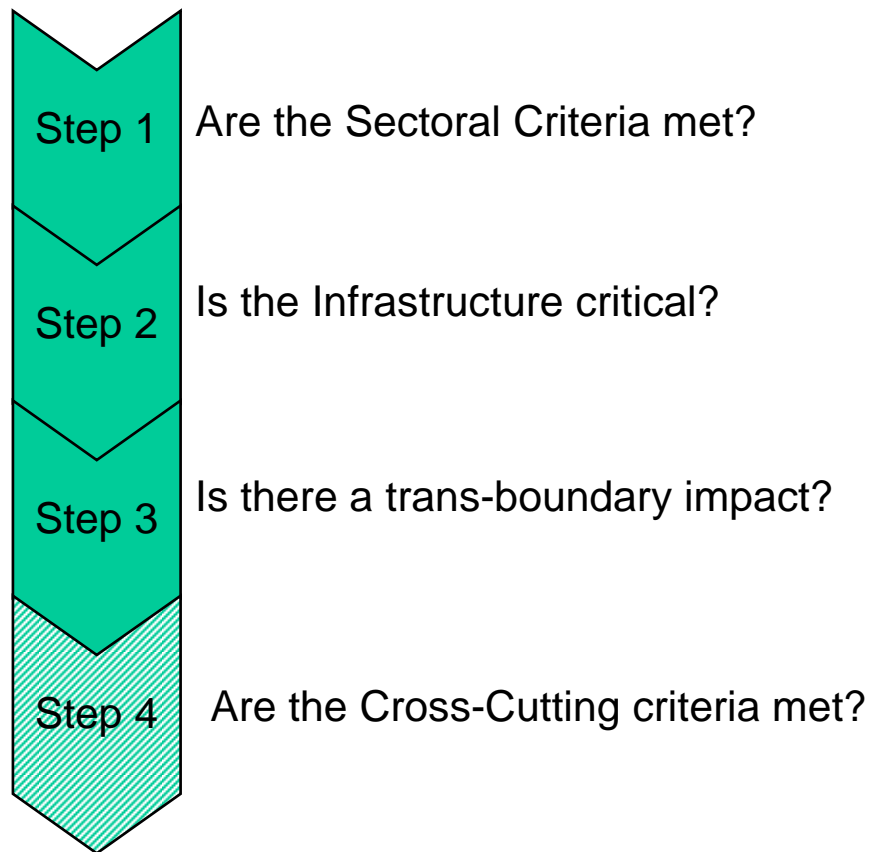
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# Directive 2008/114/EC – Identification



A four step process to identify potential European Critical Infrastructure:



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# Directive 2008/114/EC – Identification and designation

- **Obligation to inform other Member States which may be affected**
- **Engage in bilateral or multilateral discussions with those Member States**
- **Designation as ECI in agreement with those Member States affected – acceptance by the Member States on whose territory ECI is located necessary**
- **Obligation to inform operator of ECI of designation**

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# Directive 2008/114/EC

- **ECI prepare an Operator Security Plan and designate a Security Liaison Officer**
- **Member States report to the Commission on the types of threats, vulnerabilities and risks identified in each sub-sector**
- **Member States designate a formal Contact Point**
- **Commission and the Member States assess whether further measures are needed concerning the protection of ECI**

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# Directive 2008/114/EC – Operator Security Plan

- Identification of important assets
- Conducting a risk analysis based on major threat scenarios, vulnerability of each asset and potential impact
- Identification, selection and prioritisation of counter-measures and procedures, distinguishing between permanent and graduated security measures

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# Directive 2008/114/EC – Security Liaison Officer (SLO)

- **Point of contact for security related issues between owner/operator and Member State authority**
- **Each Member State to assess whether or not a SLO already exists at ECI - if not, Member State to ensure that SLO is designated**
- **MS to implement appropriate communication mechanism between SLO and relevant national authority**

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# Directive 2008/114/EC – Follow-up

- **Implementation by Jan 2011**
- **Review after Jan 2012**
  - efficacy
  - efficiency
  - added-value
- **Roadmap for review in discussion with Member States**
- **Subsequently maybe other sectors added, such as ICT, ....**

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- identification and analysis of interdependencies
- ERN-CIP



Support for Member States concerning National Critical Infrastructure



Contingency planning



External dimension



Accompanying financial measures



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# CIWIN (Critical Infrastructure Warning Information Network)

- **CIWIN is an IT tool that is intended to:**
  - Provide a platform for the exchange of CIP related information between users (Member States public authorities)
  - Acts as a repository for such information
  - Provide a forum for discussions and posting user generated contents
  - Uploading of documents, contact information, notifications

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# CIWIN – Forum functionality

- **System currently in pilot phase for Member States users**
- **Detailed infrastructure and level of confidentiality to be decided**
- **Decision about system in 2011 after the evaluation of the pilot**

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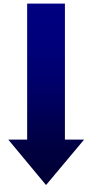
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# External Dimension

- **Disruption of Critical Infrastructures outside of the EU may impact on EU and vice-versa**
- **Work in progress – first discussions started with Member States**
- **Currently limited to exchange of best practices**
- **First EU-US experts seminar 4/5 March in Madrid**

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# External Dimension – Future Issues

- **Sharing information in a spirit of solidarity (on external dependencies)**
- **Geographic and political priorities to be established**
- **Trust to be built up, step-by-step approach**

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# Financial Measures

- **CIPS - Prevention, preparedness, and consequence management of terrorism and other security related risks**
- **2007-2014: 140 MEuro**
- **Since 2007 around 60 projects funded**
- **Work Programme 2010 - budget 20 Million Euro**

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# CIPS – Work Programme 2010



- **Facilitating the implementation of Directive 2008/114/EC**
- **Enhancing critical information infrastructure protection**
- **Developing good practice in business continuity planning/operator security plans**
- **Tools/methods to design public spaces**
- **Interdependency analysis**
- **Increasing security awareness of operators**

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# CIPS – Work Programme 2010



- **Development of tools to coordinate inter-sectoral activities**
- **Improving information management with regard to critical infrastructures**
- **Increasing critical infrastructure protection capacity in the transport, energy, ICT, chemical, financial, water, food, health, space, research and nuclear sectors**

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# ERN-CIP (European Reference Network for Critical Infrastructure Protection)

- **Networking of existing experimental and testing facilities in Europe**
- **Provide Member States up-to-date scientific information for the protection of critical infrastructures**
- **Obtaining realistic data for destructive hazards, threat means, vulnerabilities**
- **Benchmarking of systems and products**
- **Validate and verify models**
- **Create standards, best practices, guidelines**

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# Thank you for your attention!

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