

Energy Infrastructure Protection EU initiatives

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European Programme for Critical Infrastructure Protection (2006,EPCIP): achievements up to now

- ✓ Raising Awareness, targeted research (CIPs project funding)
- ✓ Understanding Criticalities (network modelling)
- ✓ Sharing of experiences (TNCEIP), International cooperation: US, CA, OSCE, NATO
- ✓ Coupling with National policies (National CIP Centres)
- ✓ Measures to facilitate implementation (CIWIN,ERNCIP, ITIS-EU)



European Programme for Critical Infrastructure Protection (EPCIP): achievements up to now

EU related policies: Internal Energy Market, Security of supply, Projects (PCI) of Energy Infrastructures



European Programme for Critical Infrastructure Protection (EPCIP): achievements up to now

EPCIP Legal mainstay: **Directive (2008)114** on the identification and designation of European critical infrastructures and the assessment of the need to improve their protection

ECI: ***significant*** impact on at least two countries

Sectors: transport; energy [electricity, gas, oil]

Oil production, refining, treatment, storage and transmission by pipelines

European Programme for Critical Infrastructure Protection (EPCIP): achievements up to now

Obligations:

- MS authorities designate ECIs in its territory: risk assessment

For each ECI:

- Operator Security Plan (permanent and graduated measures)
- Security Liaison Officer

Each Member State shall report every two years to the Commission generic data on a summary basis on the types of risks, threats and vulnerabilities encountered per ECI sector in which an ECI has been designated



EPCIP from 2014

A EU Commission **staff working document** on the **future EPCIP priorities** was adopted in August 2013:

Current "types" of actions should **continue**, and concrete projects completed

...but **evolution** is necessary

The goal remains: to **ensure** a high level of protection of infrastructures

...so that **critical services** are delivered to citizens

EPCIP beyond 2014 (Energy sector)

A comprehensive view of the energy systems is necessary

- ✓ **System level protection**, especially for the pan-European networks (electricity, gas)
- ✓ **Interdependence** (Network and Information Systems...other sectors)
- ✓ **Focus on emerging threats**: cyberspace, crime
- ✓ Build into the formulation of **resilience of energy supply**

EPCIP in the Energy Sector after 2013

Critical Infrastructure Protection is built on three pillars

- ✓ **Prevention:** *the mainstay of EPCIP so far*
Assess the risks, identify needs, enact measures - keep operations, supply
- ✓ **Preparedness:**
Contingency planning - mitigate, restore
- ✓ **Response**
Medium-long term recovery

EPCIP in the Energy Sector after 2013

Future steps

- ✓ **Assessment of criticalities** - Risk Assessment
Building on work already done by operators, sectors, EC
- ✓ **Developing into integrated protection cases**
e.g. Electricity Transmission, Gas Transmission



PILOT PROJECTS



Pilot Projects (Energy Sector)

The PP will foster cooperation among the operators, the EC and the Member States. They should be synergetic with the former work-streams under EPCIP

The Energy PP will develop, test, evaluate and validate sector specific sets of tools for the protection of critical energy infrastructures

The tools will focus on the areas of Risk assessment, Interdependencies, Standards, Contingency planning, Restoration, Exercises Training



Pilot Projects (Energy Sector)

Preliminary Work Plan

WP1 – Risk assessment : state-of-the-art & lessons learned

WP2 – Risk assessment : Gas Transmission Infrastructure

WP3 – Risk assessment : Electricity Transmission Infrastructure

WP4 – Interdependencies: ET/GT/Information Communication Infrastructure

WP5 – Contingency Planning, Restoration

WP6 – Exercises

WP7 – Training

Pilot Projects (Energy Sector)

Who does what?

- ✓ **Energy Operators** ~ Sectoral associations
Electricity Transmission, Gas Transmission,
Generation
- ✓ **National CIP bodies, CIP-PoC**
- ✓ **EC** to provide with project specifications,
methodologies...



Pilot Projects (Energy Sector)

Tentative Calendar

- ✓ **September 2013:** EC submits a PP specification to ENTSO-E
- ✓ **October-December 2013:** ENTSO-E, GIE, operators and EC discuss on Project contents, schedule, roles..
- ✓ **EC presents PP** to National CIP bodies, CIP-PoC
- ✓ **PP implementation phase:** 2014-2015



Thank you!

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more info

http://ec.europa.eu/energy/infrastructure/critical_en.htm