



# Overview of the TA on ICS and Smart Grids

Presentation by Auke Huistra

## ERNCIP

ERNCIP aims at providing a **framework** within which experimental facilities and laboratories will share knowledge and expertise in order to **harmonise** test protocols throughout Europe, leading to better protection of critical infrastructures against all types of threats and hazards.

**Our mission** is to foster the emergence of innovative, qualified, efficient and competitive security solutions, through the networking of European experimental capabilities.

ERNCIP is a direct response to the lack of harmonised EU-wide testing or certification for CIP products and services, which is a barrier to future development and market acceptance of security solutions.

IPSC, under the mandate of the DG Home, in the context of the European Programme for Critical Infrastructure Protection (EPCIP)

## Agenda

- ❑ Current status of the TA on ICS and Smart Grids
- ❑ The programme of work for the TA
- ❑ Issues to discuss

## Current status TA on ICS and Smart Grids

ICS and Smart Grids Security high priority issue

- over 30 members and growing
- different types of organisations (vendors, asset owners, academia, research, ...)

### Meetings

- kick off meeting on February 3rd 2012, Ispra
- 2nd meeting on April 20th 2012, Paris
- 3rd meeting planned for July 6th, Ispra
- 4th meeting planned for October, Amsterdam

# TA on ICS and Smart Grids: members

## Asset owners, e.g.:

- **Shell**
- **E-On**
- **Laborelec/GDF Suez**
- **Alliander**
- **PSE Operator SA**
- **ENEL**
- **EDP**
- **PSE-operator**
- **Iberdrola**
- **TPEB**
- **Endesa**
- **Swiss Grid**

## Vendors/Integrators/Consultancies:

- **Siemens**
- **ABB**
- **Honeywell**
- **Thales**
- **EOS**
- **Elster**
- **Infrastrutturecritiche**

## Research/Academia:

- **TNO**
- **ENEA**
- **University of Gdansk**
- **GCSEC**
- **JRC**
- **Technical University Twente**
- **CERN**
- **Università CAMPUS BioMedico, Roma**
- **Università degli Studi di Napoli "Parthenope"**

## Public Sector:

- **CPNI (UK)**
- **CPNI.NL**
- **Cert-FI**
- **Govcert (DK)**
- **DEMA**
- **BSI**
- **MSB**
- **CNPIC**
- **ENISA**
- **European Commission**

## Programme of work: starting points (1)

No overlap with existing initiatives, but leveraging on existing initiatives

Close collaboration between DG's HOME, ENTRE, ENER, INFISO (CONNECT after July 1st)



TA on ICS and Smart Grids will fill in blind spots

## Programme of work: starting points (2)

Build on previous and existing initiatives, e.g.

- previous EU projects (ESCoRTS, ESTEC, ...)
- ENISA, e.g. Protecting Industrial Control Systems and Smart Grid Security and this report
- EU Working Groups on Smart Grid Security (e.g. M490, WG DG INFSO)
- Standardization initiatives (e.g. CEN/CENELEC, IEC, ISA)

Use network with other organisations

- EuroSCSIE
- EU-US Working Group on Cyber Crime and Cyber Security
- ICSJWG International Partners Day
- ...

# Framework for ICS and Smart Grids Security

	<b>People</b>	<b>Organisation (incl. Processes / Procedures)</b>	<b>Technology (Systems as a whole and components)</b>
<b>Standards</b>			
<b>Testing</b>			
<b>Certification</b>			



## Current activities

Setting up and defining the programme of work and the framework

- by TA coordinator, and small core group

Work on the framework in parallel work tracks:

- fill in the framework with existing standards and initiatives
- people, identifying needs on skills and certification, awareness, education and training
- mechanisms that will make the accreditation/ certification framework work

## Schedule of planned work (draft)

### Q4 -2012

- gap analysis and high-level roadmap
- programme of work TA ICS and SG Security 2012-2015
- white paper on Testing and Certification of ICS and SGs

### Ambition for 2013-2015

- detailed roadmaps for main T&C challenges
- elaboration of T&C protocol guidelines
- organising a T&C conference

## Contact

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