

Overview of the TG on IACS and Smart Grids

Testing Security: the critical infrastructure Operator's View
Workshop for Operators of Critical Infrastructures
September 12th 2013, Brussels

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Agenda

- ☐ TG on IACS and Smart Grids
- ☐ Our dream
- ☐ A Framework for IACS and Smart Grids
- ☐ Focus on People: Workforce Development Framework
- ☐ Focus on Technology: Future needs on testing

TG on IACS 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)
- Cert-FI
- Govcert (DK)
- DEMA
- BSI
- MSB
- CNPIC
- ENISA
- European Commission

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Programme of work: starting points (1)

No overlap with existing initiatives

Close collaboration between DG's HOME, ENTER, ENER, CONNECT



TG on IACS and Smart Grids will fill in blind spots and will focus on the needs of the asset owners/end users

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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
- EU Working Groups on Smart Grid Security
- ...

Use network with other organisations

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

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Our dream: A Resilient Digital Society in 2025

The key to a resilient digital society are critical infrastructures that are safe, secure and resilient.

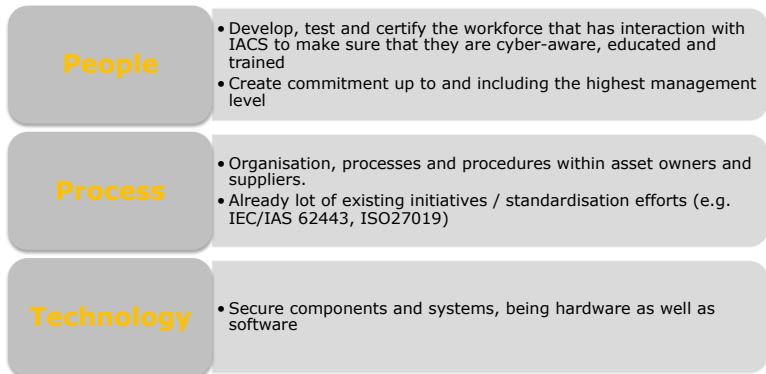
How do we get there?

By using an integral approach on People, Process and Technology.

IACS security is therefore an important topic for operators of critical infrastructures, developers, manufacturers, system integrators and governments.

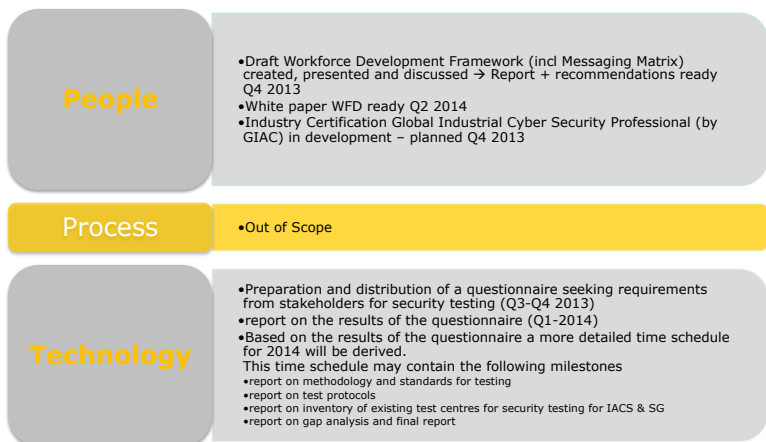
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Framework for IACS and Smart Grids Security



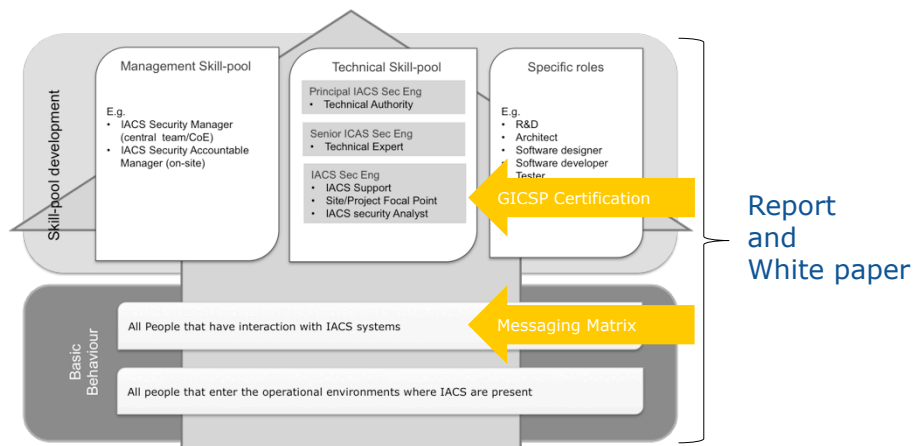
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Status Tasks



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People: Workforce Development Framework



Technology: future needs on testing

What are the **future needs** on testing?

This Task will identify the main requirements for security testing of IACS by sending out and analysing the results of the questionnaire.

Asset owners have basically two important questions:

1. Are my systems safe and resilient against natural and cyber hazards?
2. How can I keep them safe and resilient in the future?

Neelie Kroes



"The more we rely on networks, the more we rely on them to be secure. This calls for two things in particular.

First, our digital networks and systems are secure, resilient and trustworthy.

Second, we need our people to have digital skills.

Bringing these two together, I see a growing demand for cyber security skills. In the ICT sector in general, and for Industrial ICT in particular".

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Conclusions

KEEPING OUR CRITICAL INFRASTRUCTURES
CYBER RESILIENT IS A JOINT EFFORT.

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