



ENISA'S WORK ON ICS AND SMART GRID SECURITY

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- ★ Protecting Industrial Control Systems.
Recommendations for Europe and Member States, (Dec 2011).
 - ★ Gaps identified
 - ★ 7 recommendations
- ★ Smart Grid Security, Recommendations for Europe and Member States (to be released)
 - ★ 90 key findings
 - ★ 10 recommendations
- ★ Minimum Security Requirements for Smart Grids, (to be finished by end of this year)
 - ★ address the different maturity levels for smart grid implementations
 - ★ identify the minimum set of security measures for a more secure Smart Grid

Smart Grid security: Recommendations



- ★ R1: Improve the regulatory and policy framework
- ★ R2: Foster the creation of a PPP entity to coordinate initiatives
- ★ R3: Foster awareness raising and training initiatives
- ★ R4: Foster dissemination and knowledge sharing initiatives
- ★ R5: Develop a minimum set of reference standards and guidelines
- ★ R6: Promote the development of security certification schemes
- ★ R7: Foster the creation of test beds and security assessments
- ★ R8: Further discuss strategies to coordinate large scale pan-European cyber incidents
- ★ R9: Involve CERTs to play an advisory role in dealing with cyber security issues
- ★ R10: Foster research by leveraging existing research programmes.

What's next ?

- ★ Workshop on Certification of Smart Grid devices, 27th of June, Brussels.
- ★ Minimum Requirements study Validation workshop, beginning of October 2012
- ★ EU-US joint Open Workshop on Cyber Security of ICS and Smart Grids (Q3 2012 October)

Gaps- Open issues

- ★ Incident reporting
 - ★ Controversy on the need for a pan-European entity in charge of coordinating cyber security incidents
 - ★ Notification?
- ★ Certification issues and the role of NCAs
 - ★ What parts should be certified?
 - ★ Which scheme best fits?
 - ★
- ★ Need for a SG NSIE?
- ★ Incentives/barriers for investing on security
- ★and many others might be found at ENISA's study.

Thank you!

★ Security Certification Workshop registration

<https://www.enisa.europa.eu/activities/Resilience-and-CIIP/workshops-1/2012/smart-grid-certification-components>