

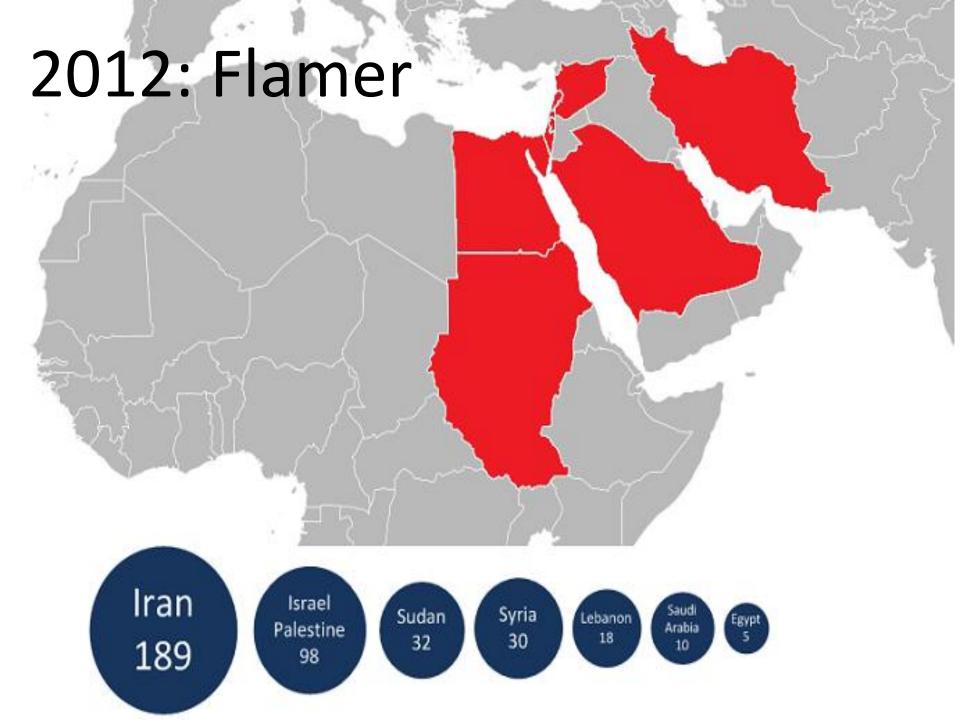
Securing Critical Information Infrastructures and Services

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ENISA



2011: Attacks on governments







Cyber Exercises, the Big Three

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- Europe's first ever international cyber security exercise, 2010
- First ever EU-US exercise, 2011. Work with Comm.
 & MS to build transatlantic cooperation
- Cyber Europe 2012. Developed from learning in 2010 & 2011 exercises. Involves MS, private sector and EU institutions. Highly realistic exercise, Oct 2012







Cyber Europe 2012 – media coverage

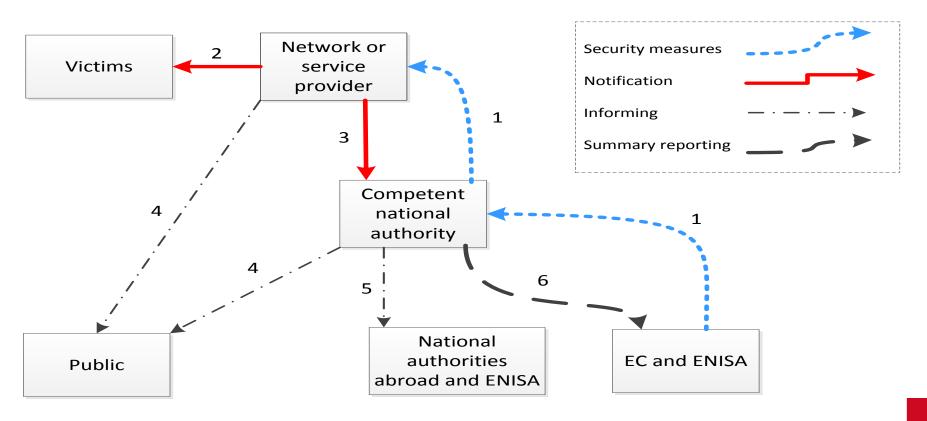
- More than 100 news stories so far Europe, plus USA
- Most online and broadcast media
- Follow-up media requests still coming in (@ 08/10/2012)





Overview of Article 13a

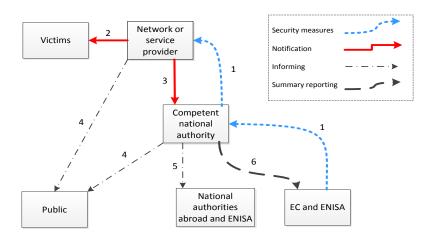
- Appropriate security measures for e-comms providers
- Incident reporting for e-comms providers





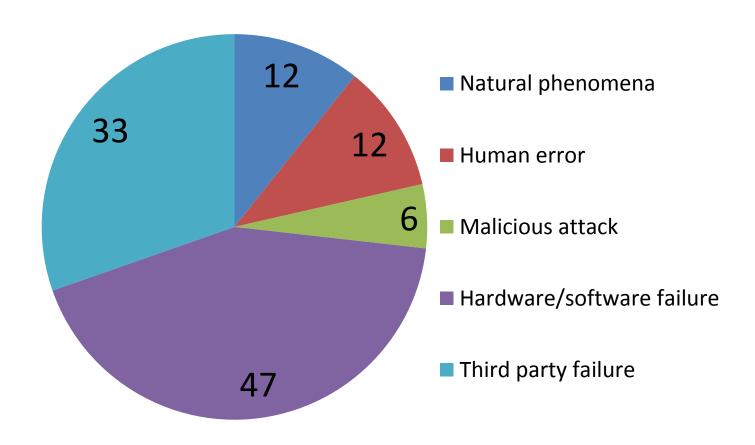
Article 13a - Incidents 2011

- 51 incidents from 11 countries, 9 countries without significant incidents, 9 countries with incomplete implementation
- Most incidents
 - affect mobile comms (60%)
 - are caused by
 - hardware/software failures (47%)
 - third party failures (33%),
 - natural disasters (12%)
- Many involve power cuts (20%)
- Natural disasters (storm, floods, et cetera)
 - often cause power cuts, which cause outages
 - cause incidents lasting an average of 45 hours
- Next report spring 2013, expected around 500 incident reports





Root Causes of 2011 incidents





EP3R - Public Private Partnership for Resilience

- provide a platform for information sharing and stock taking of good policy and industrial practices
- discuss public policy priorities, objectives & measures
- improve coherence and coordination of policies for security and resilience in Europe;
- 3 Working Groups
 - WG 1: Interdependencies of ICTs to critical Sectors
 - WG 2: Baseline requirements for security and resilience of electronic communication networks
 - WG 3: Coordination and cooperation mechanisms
 - Botnets
 - Pan European exercise





* European Network Cloud Computing of the Computing of th

Objectives for Cloud Computing at ENISA

- Help governments and businesses to leverage the cost benefits of cloud computing, with due consideration of security requirements and new risks
- Improve transparency on security practices to allow informed decisions
- Create trust and trustworthiness by promoting best practice and assurance standards

Report defines minimum baselines for:

- Comparing cloud offers
- Assessing the risk to go Cloud
- Reducing audit burden and security risks

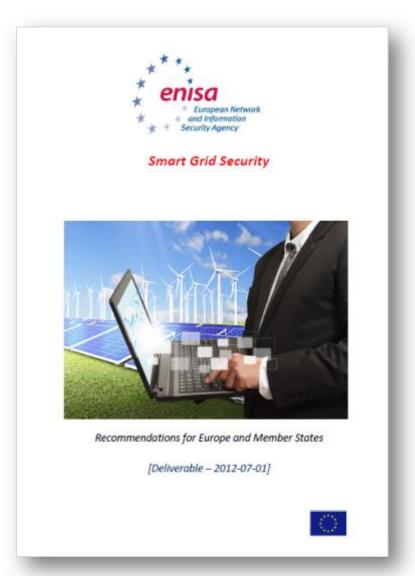




Smart Grid Security

ENISA recommendations include:

- Establishing of clear regulatory and policy framework on smart grid cyber security at national and EU level – currently missing.
- The EC, with ENISA, MS, and private sector, should develop minimum set of security measures based on existing standards and guidelines
- EC and MS authorities should promote security certification schemes for the entire value chain of smart grids components, including organisational security

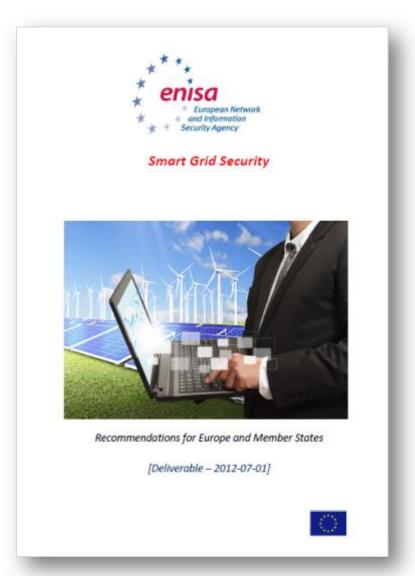




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