



Enhancing cybersecurity capabilities and cooperation throughout the EU

Ann-Sofie Rönnlund
Policy Officer
Trust and Security

DG Communications Networks, Content and
Technology

2nd ENISA international conference
on cyber crisis cooperation and
exercises

23 September 2013



European
Commission

Cybersecurity

Delivering a Digital Europe: a Connected Continent

- **Economic and social benefits of the digital world and open Internet**
- **Risks, incidents and cybercrime on the rise**
- **Cross-border/global issue**
- **Need for a comprehensive EU vision**





European
Commission

EU Cybersecurity Strategy: An Open, Safe and Secure Cyberspace

Digital Agenda for Europe

1. Cyber resilience
 - NIS Directive (capabilities, cooperation, risk management, incident reporting)
 - Raising awareness

Justice and Home Affairs

2. Reduce
cybercrime

EU Foreign and Security Policy

3. Cyber defence
policy and
capabilities
5. International
cyberspace policy

4. Industrial and technological resources: NIS platform; H2020

- Fundamental rights apply both in physical and digital world
- Cybersecurity depends on and contributes to protecting fundamental rights
- Access for all
- Democratic and efficient multi-stakeholder governance
- Cybersecurity is a shared responsibility



European
Commission

Network and Information Security (NIS) Directive: Three Pillars

PREPAREDNESS

National capabilities

**EU-LEVEL
COOPERATION**

*Exchange of
information and
coordinated
reaction*



***A high level of NIS in
each MS and across
the EU***

A CULTURE OF NIS ACROSS SECTORS

NIS risk management culture and Public-Private cooperation



European
Commission

Proposal for NIS Directive - Article 114 TFEU

Key elements (1/3)

Capabilities: Common NIS requirements at national level

- ❖ **NIS strategy and cooperation plan**
- ❖ **NIS competent authority**
- ❖ **Computer Emergency Response Team (CERT)**





European
Commission

Proposal for NIS Directive *Key elements (2/3)*

Cooperation: NIS competent authorities to cooperate within a network at EU level

- ❖ Early warnings and coordinated response
- ❖ Capacity building
- ❖ NIS exercises at EU level
- ❖ ENISA to assist





European
Commission

Proposal for NIS Directive *Key elements (3/3)*

- **Risk management and incident reporting for:**
 - ❖ Energy – electricity, gas and oil
 - ❖ Credit institutions and stock exchanges
 - ❖ Transport – air, maritime, rail
 - ❖ Healthcare
 - ❖ Internet enablers
 - ❖ Public administrations





European
Commission

EU Cybersecurity Strategy *The NIS Public-Private Platform*

- **An inclusive and multi-stakeholder platform**
 - **Driven by the participants**
- **Identify and facilitate the up-take of risk management best practices**
 - **Draw from international standards and best practices**
 - **Cross-cutting / horizontal approach**
 - **No imposition of standards**
- **Secure ICT research and innovation**



European
Commission

The NIS Public-Private Platform

Organisation of work and expected outcome

- **Consistent implementation of the NIS Directive**
 - **WG1: risk management**
 - **WG2: information exchange and incident coordination**
- **Provide input to the secure ICT R&I agenda at EU, national and industry level**
 - **WG3 on secure ICT research and innovation**



European
Commission

The NIS Public-Private Platform

State of Play and next steps

- **First plenary meeting in June**
 - Next plenary meeting before year end
- **Huge interest and participation**
- **WGs starting to work**
- **First output: guidance on risk management and information sharing (expected Q2 2014)**



European
Commission

EU Cybersecurity Strategy

Achieving cyber resilience

Awareness raising: common responsibility

- **Cybersecurity month**
- **Cybersecurity championship**
- **NIS education and training**
- **Roadmap for NIS driving licence – voluntary certification programme**



**BE AWARE,
BE SECURE.**



European
Commission

Thanks!

ann-sofie.ronnlund@ec.europa.eu



European
Commission

Useful links

- **Digital Agenda for Europe:** <http://ec.europa.eu/digital-agenda/>
- **Trust and Security:** <http://ec.europa.eu/digital-agenda/en/our-goals/pillar-iii-trust-security>
- **Cybersecurity:** <http://ec.europa.eu/digital-agenda/en/cybersecurity>
- **Digital Futures:** <https://ec.europa.eu/digital-agenda/en/digital-futures-objectives-and-scope>
- **Help up improve our analysis and measurement:** <http://ec.europa.eu/digital-agenda/en/help-us-improve-our-analysis-measurement>



European
Commission

Useful links

- **Commission proposal for a Directive on Network and Information Security:**
http://ec.europa.eu/information_society/newsroom/cf/dae/document.cfm?doc_id=1666
- **Impact Assessment:**
http://ec.europa.eu/information_society/newsroom/cf/dae/document.cfm?doc_id=1669
- **Cybersecurity Strategy of the European Union:**
http://ec.europa.eu/information_society/newsroom/cf/dae/document.cfm?doc_id=1667
- **NIS Public-Private Platform:**
<https://resilience.enisa.europa.eu/nis-platform>