

Directive on security of network and information systems (NIS)

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The umbrella



EU Cybersecurity Strategy: An Open, Safe and Secure Cyberspace

Digital Agenda for Europe

 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



The NIS Directive: objectives

Increased national cybersecurity capabilities

EU level cooperation

Risk management & reporting

Boosting the overall online security in Europe



Capabilities

All MS to have in place

NIS National strategy NIS competent national authority Computer Security Incident Response Team (CSIRT)



Cooperation

Cooperation Group

what: strategic cooperation who: MSs; EC (secretariat), ENISA

CSIRT network

what: operational cooperation who: national CSIRTs; CERT-EU; ENISA (secretariat)



Security and notification requirements

Operators of essential services

Energy: electricity, gas and oil Transport: air, rail, water and road Banking: credit institutions Financial market infrastructure Health: healthcare providers Water: drinking water supply and distribution Digital infrastructure: internet exchange points, domain name system service providers, top level domain name registers



Security and notification requirements

Digital Services Providers (DSPs)

Online market places

Cloud computing services

Search engines



Capabilities







Single Point of contact





Cooperation



Cooperation Group - Overview



Aims

- Foster EUlevel
 strategic
 cooperation
- Build trust & confidence

Composition

- Member States
- ENISA
- European Commission (secretariat)

Work to start 6 months after entry into force

EC will establish operational rules and procedures via implementing act



Cooperation Group - Tasks

Information &Best practices on

- Risks
- Incidents
- Awareness raising
- Training
- R&D

Work of the Group

- Establish a work programme by 18 months after entry into force
- Prepare WP every 2 years thereafter



Policy coordination

- guidance for CSIRTs Network
- assist MSs in NIS
 capacity building
- support MSs in the identification of operators of essential services
- discuss incident notification practices
- Discuss **standards**
- Engage with relevant EU institutions
- Evaluate NIS national strategies and CSIRTs (voluntary)

On progress

- Every 1,5 yrs provide a **report** as input to EC's review of the Directive



CSIRTs Network- Overview



Aims

- Foster EU level
 operational
 cooperation
- Build trust & confidence

Composition

- National CSIRTs
- CERT-EU
- ENISA (secretariat)
- European Commission (observer)

CSIRTs Network will establish its own rules of procedures



CSIRTs Network - Tasks





Identification of operators of essential services

Each MS will identify the entities subject to security and notification obligations by applying these **criteria**:



The entity provides a **service** which is **essential** for the maintance of critical societal/economic activities



The provision of that service **depends** on **network and information systems**; and

3

A NIS incident would have **significant disruptive effects** on the provision of the essential service



Lex specialis



The relevant provisions of the sector specific act apply



Notification requirements

MSs shall ensure notifications without undue delay to the competent authority or to the CSIRT.

Operators of Essential services

"incidents having a significant impact on the continuity of the essential services they provide.[...]"

Digital Services providers

"any incident having a substantial impact on the provision of a service as referred to in Annex III that they offer within the Union"



Member States' different provisions

Operators of essential services

MSs are **not prevented** from adopting/maintaining provisions with a view of achieving a **higher security** of networks and information systems.

Digital services providers

Member States are **not allowed** to impose any further security or notification requirements



Implementation and Enforcement

Operators of essential services

Competent national authorities should have the necessary powers/means to **assess the compliance** with the Directive and issue enforcement measures if necessary.

Digital services providers

The competent national authorities are entitled to carry out solely reactive **ex-post supervisory activities** in line with the light-touch regulatory approach applicable to DSPs.



The NIS Directive: from proposal to transposition





Cybersecurity contractual Public-Private Partnership (cPPP)



- Stimulate the competitiveness and innovation capacities of the digital security and privacy industry in Europe
- Ensure a sustained supply of innovative cybersecurity products and services in Europe



Thank you for your attention!

