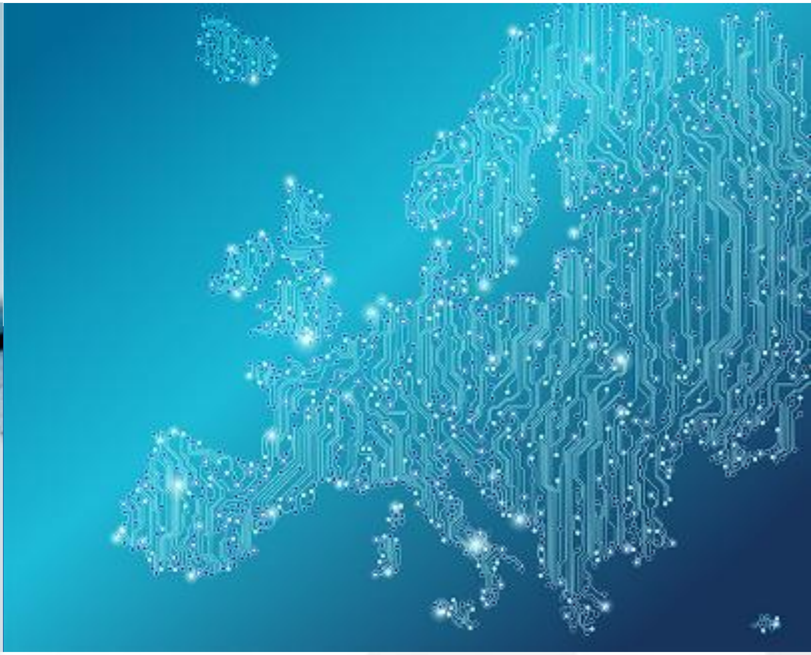

Network and Information Security Directive

Provisions + ENISA's activities

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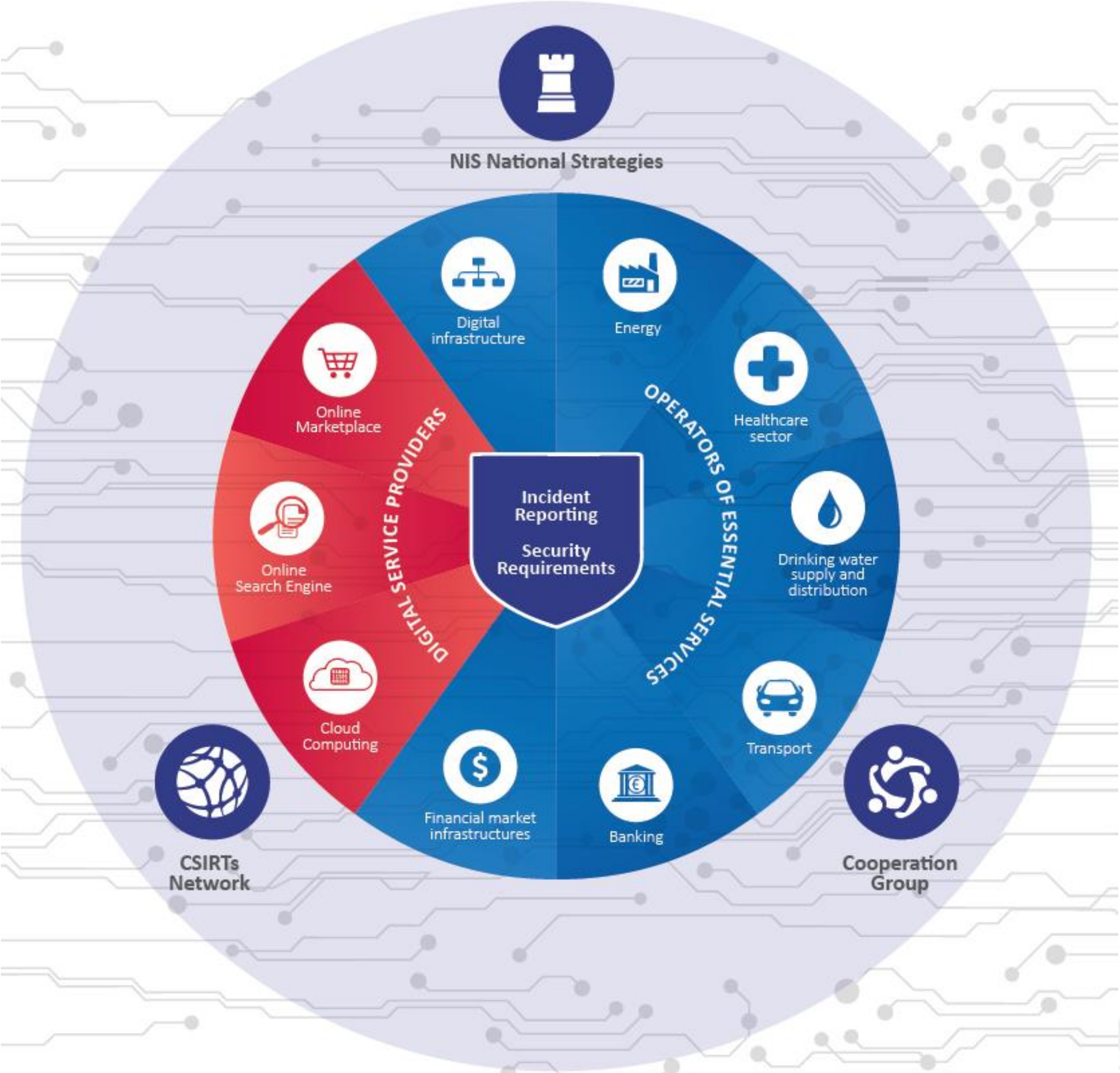
NIS National Strategies
Digital infrastructure
Energy
Online Marketplace
Healthcare sector
DIGITAL SERVICE PROVIDERS
OPERATORS OF ESSENTIAL SERVICES
Incident Reporting
Security Requirements
Online Search Engine
Drinking water supply and distribution
Cloud Computing
Transport
Financial market infrastructures
Banking
CSIRTs Network
Cooperation Group

The NIS Directive (EU 2016/1148)

Scope: to achieve a high common level of security of NIS within the Union (first EU regulatory act at this level).

Status: ADOPTED August 2016.

Deadline for transposition: 9 May 2018 (21 months).

Provisions:

1. Improved cybersecurity capabilities at national level
2. Increased EU-level cooperation
3. Obligations for operators of essential services (OES)
4. Obligations for digital service providers (DSP)

1. Improved cybersecurity capabilities at national level

- adopt a national **NIS strategies** to include:
  - Strategic objectives, priorities and governance framework
  - Measures on preparedness, response and recovery
  - Cooperation methods between the public and private sectors
- designate one or more **national competent authorities**.
- designate one or more **Computer Security Incident Response Teams** (CSIRTs):
  - Monitoring incidents national level
  - Providing early warning, alerts
  - Incident response

2. Increased EU-level cooperation

- Creates first EU **Cooperation Group** on NIS
  - Assist MS in NIS capacity building
  - Support MS in the identification of OES
  - Evaluate national NIS strategies and effectiveness of CSIRTs (on voluntary basis)
  - Provide strategic guidance for CSIRTs network
- Creates a **Network of National CSIRTs**
  - Exchange information
  - Provide support and identify forms of coordinated incident response for cross-border incident handling.

CSIRTs network

- **Article 9 and 12** of the Directive gives the framework for CSIRTs
  - Why (paragraph 1):
    - Develop confidence and trust between Member States
    - Promote swift and effective operational cooperation
  - Composition (paragraph 2):
    - representatives of the Member States' CSIRTs
    - CERT-EU (CSIRT for EU institutions)
    - ENISA (secretariat and active support)
    - European Commission (as observer)
  - Tasks (paragraph 3):
    - Exactly how the group will perform its tasks is up to the group itself, as stated by paragraph 5.
    - It means that the group will determine its own priorities, with input from the Collaboration Group.
    - ENISA will support the group by making appropriate proposals.
- **Annex 1**. Requirements and tasks of the CSIRT. This Annex gives a list of tasks that a MS' CSIRT has to perform
- **Annex 2**. Sectors and entities. This Annex lists the sectors and subsectors that need to be covered by each country's Information Security Strategy and CSIRTs

3. Obligations for MSs on OES

- Identification of operators of essential services.
- Minimum security measures to ensure a level of security appropriate to the risks.
- Incident notification to prevent and minimize the impact of incidents on the IT systems that provide services.
- Make sure authorities have the powers and means to assess security and check evidence of compliance for OES.

ENISA’s role to support MS with OESs

In 2017 ENISA assists MS

- Identification of OES
  - Preliminary work started in 2016, namely by:
    - looking into approaches taken by MS in identifying OES;
- Minimum Security Measures for OES
  - Cross sector security measures
  - Mapping with well known standards for all sectors
- Incident reporting guidelines for OES

4. Obligations for MS on DSPs

- Minimum security measures: Technical and organizational measures proportionate to the risk (Implementing act by the COM)
- Incident notification: prevent and minimize the impact of incidents on the IT systems used to provide the services (Implementing act by the COM)

Notes:

- Light touch approach to be applied for DSPs!
- NIS directive applicable only to large and medium enterprises!

ENISA’s role to support MS with DSPs

- Based on previous experiences ENISA will support COM with the following projects:

1) Guidelines for implementing incident notification – DSPs.

   - Assist COM(by providing input for the implementing acts) and MS (by providing guidelines) in incident notification requirements for DSPs.

2) Guidelines for implementing security measures – DSPs.

   - Assist COM (by providing input for the implementing acts) and MS (by providing guidelines) in implementing minimum security measures for DSPs.

Key success factors

- Build trust amongst the members of the CG and the CSIRTs network
- Enhanced engagement by the MSs
- Active support with facilitation, surveys and stock takings and reports
- Assist MS in the implementation of the NIS Directive

NIS directive - TIMELINE

August 2016	-	Entry into force
February 2017	6 months	Cooperation Group starts its tasks
August 2017	12 months	Adoption of implementing on security and notification requirements for DSPs
February 2018	18 months	Cooperation Group establishes work programme
9 May 2018	21 months	Transposition into national law
November 2018	27 months	Member States to identify operators of essential services
May 2019	33 months (i.e. 1 year after transposition)	Commission report - consistency of Member States' identification of OES
May 2021	57 months (i.e. 3 years after transposition)	Commission review

Thank you

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