Critical Infrastructure Protection Governance: towards the implementation of best practices

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Legal and regulatory landscape 2017

- **Russian Federation:** Закон о безопасности КИИ РФ от 26 июля 2017 г.
- **EU NIS Directive**  
  *Entry into force August 2016*
  
  - Afghanistan: Cyber Crime Code  
    *Signed into Law June 20, 2017*
  
  - Vietnam: first draft of the Law on Cybersecurity  
    *published 6 June 2017*

- **US S.1691 - Internet of Things (IoT) Cybersecurity Improvement Act of 2017**

- **US NIST 2017 draft Framework for Improving Critical Infrastructure Cybersecurity Version 1.1**

- **China – Cybersecurity Act**  
  *took effect on 1 June 2017*

- **Singapore – Cybersecurity Bill**  
  *public consultation 10 July - 24 August 2017*
CIP governance challenges

- Aligning cybersecurity strategy with the national mindset
- Setting boundaries for the State interference
- Setting up the governance structure
- Identification of the CII and operators of essential services
- Distribution of responsibilities for the incident prevention and response
- Setting up a penalty regime
Figure 3-1 – Governance structures

Adaptive Strategies and Frameworks

Structure of responsible authorities

A public body or an interagency/interministerial working group should be defined as the coordinator of the strategy with the overall responsibility for the strategy lifecycle and the strategy documentation itself. The structure of the coordinating entity, its exact responsibilities and its relationships with the other stakeholders should be clearly defined.

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Article 8 The state network and IT authorities take charge of making overall plans for and coordination of network security-related works and regulatory practices. The telecommunications authority of the State Council, the public security authorities and other competent authorities shall assume network security and regulation responsibilities within their respective jurisdictions pursuant to the Law and applicable laws and administrative regulations. Competent authorities of local governments at county level and above shall take the responsibilities for network security and regulation as stipulated in state regulations.

Cybersecurity Law of the People’s Republic of China
From the state CSIRT to CSIRT network

2. Member States shall ensure that the CSIRTs have adequate resources to effectively carry out their tasks as set out in point (2) of Annex I.

Member States shall ensure the effective, efficient and secure cooperation of their CSIRTs in the CSIRTs network referred to in Article 12.

CSIRTs network

1. In order to contribute to the development of confidence and trust between the Member States and to promote swift and effective operational cooperation, a network of the national CSIRTs is hereby established.

2. The CSIRTs network shall be composed of representatives of the Member States’ CSIRTs and CERT-EU. The Commission shall participate in the CSIRTs network as an observer. ENISA shall provide the secretariat and shall actively support the cooperation among the CSIRTs.

4. The single point of contact shall exercise a liaison function to ensure cross-border cooperation of Member State authorities and with the relevant authorities in other Member States and with the Cooperation Group referred to in Article 11 and the CSIRTs network referred to in Article 12.
Example: changes in the Dutch National Cyber Security Strategy v2 regarding PPP and related topics

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Interagency collaboration as key to success

The French ANSSI is an interministerial agency attached to the Prime Minister’s office and acts under the strategic guidance of SGDSN. The agency’s role was strengthened in 2011, when it was declared the national authority for the defence of information systems.

In Austria, the Federal Chancellery of Austria and the Federal Ministry of the Interior share responsibility on a strategic-political level. On an operational level, an “Inner circle” and “Outer circle” form the reliable PPP model.

1. Where they are separate, the competent authority, the single point of contact and the CSIRT of the same Member State shall cooperate with regard to the fulfilment of the obligations laid down in this Directive.

A public body or an interagency/interministerial working group should be defined as the coordinator of the strategy with the overall responsibility for the strategy lifecycle and the strategy documentation itself. The structure of the coordinating entity, its exact responsibilities and its relationships with the other stakeholders should be clearly defined.

*ENISA’s NSCC Good Practice Guide*
What’s next?

How to keep control

Shortened incident response timeframe
Prohibitive fines for violations
Penalty regime for CII stakeholders at all levels etc.