



Responsibility for cyber security of critical infrastructure and its systems

CZECH APPROACH

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CI vs. CII + IIS

- **CI**: the backbone of our country's national and economic security.
- **CII**: *„Critical information infrastructure means an element or system of elements of the critical infrastructure in the sector of communication and information systems within the field of cyber security,“*(§ 2c, Act on Cyber Security)
- + Important information systems

Responsibility for CS of CII

- shared responsibility (public-private)
- “Act on Cyber Security”:
 - Regulation by law – need to oblige both public and private entities
 - Individual responsibility of the operator for security of its network
 - ...



Cooperation with private entities: Challenges

- deeply rooted/highly effective collaboration with the private sector – just started
- inadequate information and lack of motivation to invest in protection against cyber attack
- inexistence of CII database
- inexistence of direct communication channels between entities



Cooperation with private entities: NSA/NCSC tasks

- to create database of CII and IIS
 - Based on regulations (Act on Cyber security and related Decrees and laws)
 - Mapping based on cross-cutting and sectoral criteria
- to play central role in helping to understand how to secure themselves
- there is no silver bullet – success through basic standards, measures and support/guidance



Cooperation with private entities: NSA/NCSC tasks

- to set direct communication channels
- to start awareness-raising campaigns for CII operators
- long-term goal: development of a culture of cyber security



Future model

- Effective mutual cooperation and shared responsibility
 - **Win-win strategy**
 - mutual exchange of information
 - operators of CII will benefit from the information gathered by the state on threats and attacks
 - operators will allow the state to ensure the appropriate level of protection of the infrastructures that are crucial to keep the country running properly
- + Effective international cooperation
(cross-border CII, which integrity and functionality affects several states)





THANK YOU FOR YOUR
ATTENTION!