

Joint OECD – EU JRC workshop:

System thinking for critical infrastructure resilience and security

Michael Rogge, Head of Security Management



Agenda

How to identify critical infrastructure – German way

How to work together - authorities and operator of CI

German trusted information sharing platform

Agenda

How to identify critical infrastructure – German way

How to work together - authorities and operator of CI

German trusted information sharing platform

How to identify critical infrastructure – German way

- **Role of authorities/government**

- Ownership of CI: In Germany most CIs are private owned
- Define a legal framework and threshold (based on civil protection capabilities of state/government/local authorities) to operator to identify themselves as CI (Thresholds)
- Set-up a set of relevant law to CI to fulfill security requirements, f.e. ISO 27000, (example for energy sector)

- **Role / Tasks of operators of CI**

- Being involved in the process of definitions for CI, this enhanced the trust between government and operators
- Self identification and registering towards government/ministries/regulator
- ISO 27000 Certification (energy sector)

Inhalt

How to identify critical infrastructure – German way

How to work together - authorities and operator of CI

German information sharing platform

How to work together - authorities and operator of CI (1)

- German government established a German CIP Implementation Plan (UPKRITIS) (as ppp)
- Focus is on IT security, but also physical protection as a „shield“ for IT systems
- Members are: involved ministries and several hundreds CI operators (voluntary)
- Work organisation with permanent working groups in sectors (energy, transport, etc.) and cross company and cross-sector (f.e. BCM, crisis management)
- Main issues and basis of working:
 - Joined / exchanged situation picture
 - Trust, confidentiality, rules
 - Studies, common definition of applicable „standards“ to fulfill requirements in sectors (ISO as example)

How to work together - authorities and operator of CI (2)

- Main challenges for good cooperation between authorities and operators
 - Trusted work between them
 - Good mix between obligations and voluntary willingness
 - Sharing of important information between authorities and operators
 - Solutions how to handle „state confidentiality“
 - Agreement of traffic light protocol among members to share information
 - Visible advantage for both sides
- Common exercises

Inhalt

How to identify critical infrastructure – German way

How to work together - authorities and operator of CI

German information sharing platform

Information sharing platform

- Federal office for information security is acting as a SPOC to communicate important security information towards operators
- Communication is with email (in accordance to TLP) and phone if urgent need
- Operators have direct contact to national CERT
- Platform offers the bridge between authorities and private companies

- More information:
https://www.bsi.bund.de/EN/TheBSI/thebsi_node.html

Thank you for your attention!

