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 themself as CI (Thresholds)
  - Set-up a set of relevant law to CI to fullfil security requirements, e.g. ISO 27000, (example for energy sector)

- **Role / Tasks of operators of CI**
  - Being involved in the process of definitons 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 fullfil 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!