

Kuratorium Sicheres Österreich

(Austrian Security Board)

**PUBLIC SECTOR, INDUSTRY AND RESEARCH COOPERATION IN
CYBER SECURITY**

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Cyber Security Week
01 February 2018

New threats need new partnerships

Yahoo 2013 data breach hit 'all three billion accounts'

3 October 2017 | Business

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Quelle: BBC.com



Ars Technica also reported a 1 Tbit/s attack

Quelle: Softpedia News

Quelle: techcrunch.com

Former Equifax CEO says breach boiled down to one person not doing their job

Posted 18 hours ago by Sarah Buhr (@sarahbuhr)



Deloitte hit by cyber-attack revealing clients' secret emails

Exclusive: hackers may have accessed usernames, passwords and personal details of top accountancy firm's blue-chip clients



Quelle: theguardian.com

Digital Security: Challenges and Solution

– Public-private cooperation and its obstacles

- Ressources and budgets
- Reactive vs. proactive approach and speed
- Dependency on laws, rules and norms
- Business interests vs. political interests
- Confidentiality



Digital Security Challenges and Solution

- Coordination of cooperation between stakeholders
 - manufacturers, vendors
 - users
 - authorities
 - security researchers
- Governments can assist with legal regulations
 - standards
 - liabilities
 - data protection rules
 - financial assistance

Public-private interface

- Benefits of a public-private interface organisation
 - Generation of competence
 - Translation of culture and language
 - Possibility to generate and discuss common positions on technical and legal issues
 - Information platform with high credibility



Public-private dialogue

- Legal/technical cyberdialogue
 - What are the current problems in the cooperation of legal and technical experts regarding new technologies?
 - What legislation can/should be adapted to assist in countering these problems?
 - Which stakeholders should/must be involved to get a broad support?
 - What are the legal and organisational restrictions?

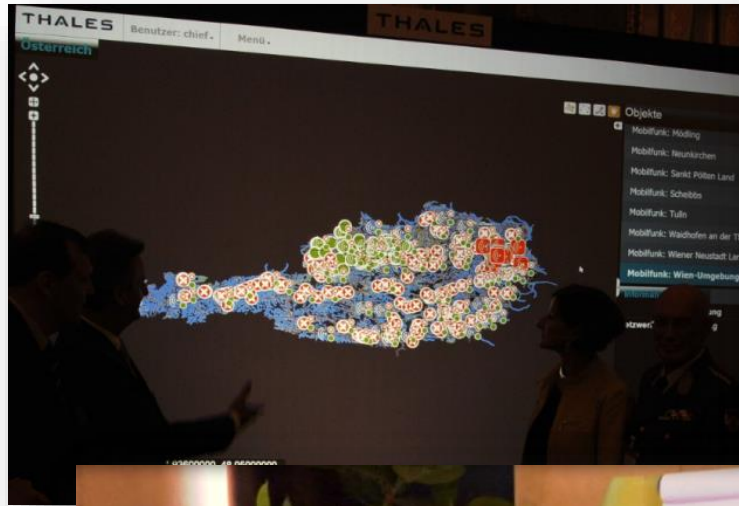


Cybersecurity Exercises

- Purposes of Cybersecurity Exercises
 - To test and train public-private Cooperation
 - To train management of complex and high-risk threats
 - To test new and future legislation (NIS directive, GDPR, etc.)
 - Generate media attention to raise awareness for cybersecurity threats
 - To meet and understand other public and private actors



BMI/KSÖ Cyber Security Excercise 2012



BMI/KSÖ Cyber Security Excercise 2017

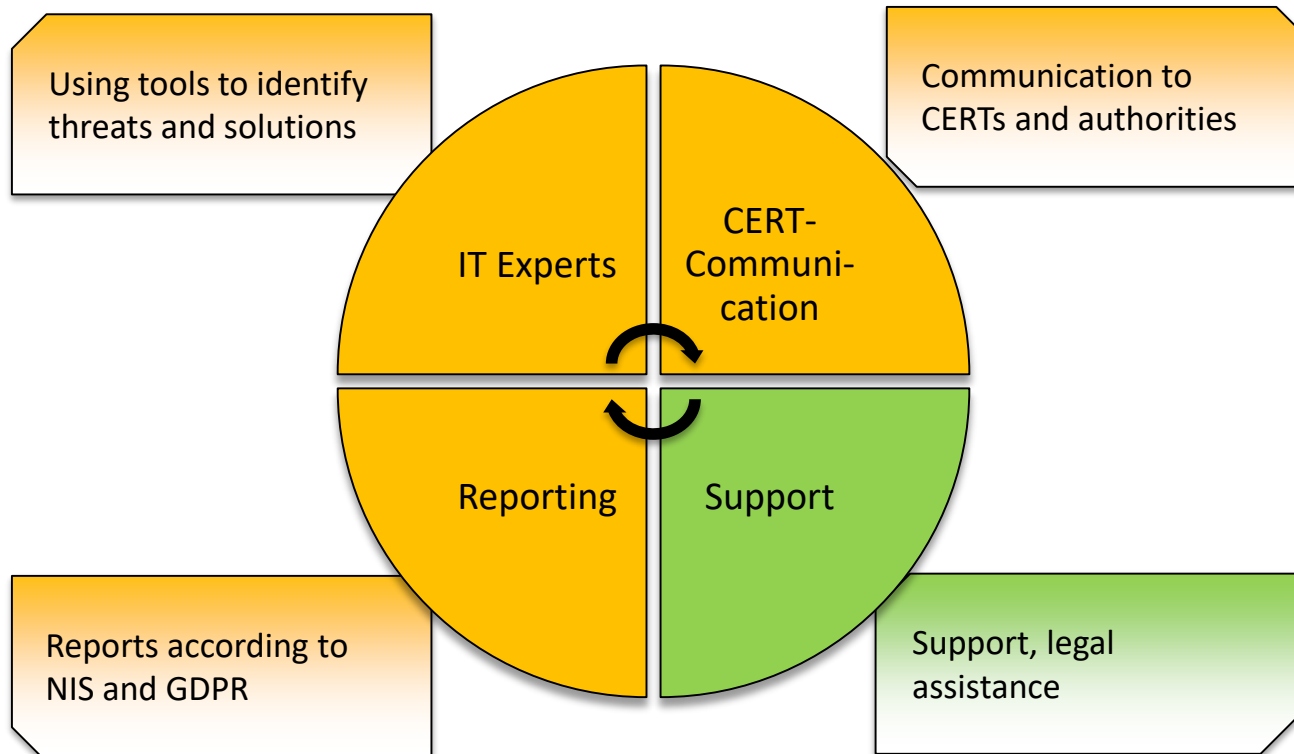


BMI/KSÖ Cyber Security Exercise 2017

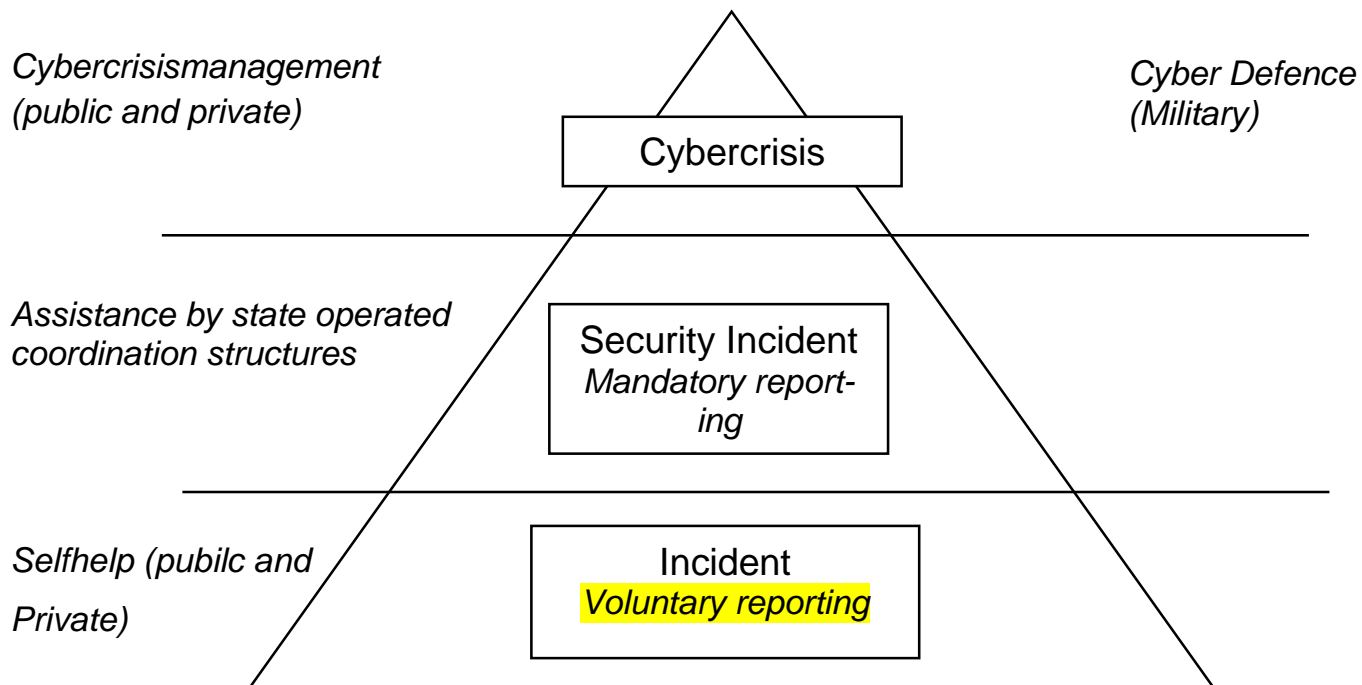
- Public-private participants
 - 200 participants
 - 10 teams (6 people)
 - 24 enterprises
 - National authorities, CERT.at, Austrian Energy CERT
 - Technical and organisational partners (AIT, Repuco)



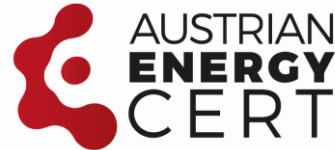
BMI/KSÖ Cyber Security Exercise 2017



Cyber escalation scenario



Civil Cybersecurity Actors



- Public-private cooperation is a key challenge on the way to digital security
- Convincing decision makers about the advantages of public-private cooperation is critical
- Cybersecurity exercises are an optimal preparation tool for current and future challenges

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