Privacy in Information Society

Informatikai és
Hírközlési
Minisztérium

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Ferenc Suba J.D., M.A.
Vice-Chair of ENISA MB,
Special Envoy of the
Minister,
Ministry of Informatics and
Communications

Definition of Privacy

- Individual's right to controll access to his/her personal information, intimacy, secrets, and thoughts
- Personal data: any information that can be linked to a specific individual
- Privacy and personal data are vulnerable - therefore protected by law

Threats and Regulation

New technologies, practices give rise to regulation:

- **Late 19th century: photography and agressive media**

  answer: right to privacy (US Supreme Court)

- **Early 1970s: Big Brother State, wish for a central database**

  answer: data protection law (Europe)

- **Late 20th century: sectorial personal data management**

  answer: sectorial regulation (e.g. TDGSG, 1997)

Information Society

'You already have zero privacy – get over it'

- Logfiles on webservers tracing back to client computers
- Cookies to monitor consumer habits
- Spams using traded e-mail addresses
- Vulnerable Internet protocols giving unauthorised access to computers
- Data hungry business players
- Legal safeguards ineffective in digital environment

The answer: Information Security

Our privacy can be protected by technology and co-operation.

- e-Signature (PGP, VerySign)

- Firewalls

- Spam filters

- IPv.6

- SSL (https://, server and user identification)

- IT products certified according to ISO 15408

Co-operation in InfoSecurity

National co-operation:

- *Interministerial Committee on Information Society
   > Information Security Subcommittee (academia, business, government)*

Bilateral co-operation:

- **Bilateral cooperation documents focusing on IT security (Romania, Russia, Korea etc.)**

- **Hungarian-German IT Security Co-operation**

- **Hungarian-Slovakian IT Security Co-operation**

Co-operation at EU level

- **ENISA (MB, PSG, WG, National Contact Points)**

Hungary's capability of co-operating

– **Active membership in Common Criteria RA**

– **Adaptation of ISO 15408 and BS7799 standards**

– **Creation of CERT Hungary (Network Security Center)**

– **Business development: e-Sec.hu**

– **Information dissemination, connection interface: ISSE 2005**

– **Sectorial regulation: E-Commerce Act (spam, cookies, data economy)**

eSec.hu

Hungarian Cyber Security Package
2005

Summary

1. Our privacy is very vulnerable in the brave new digital world.
2. The enforcement of data protection law is ineffective on the Internet – for the moment.
3. The information security solutions can ensure a high level of personal data protection.
4. The state's role is to raise awareness, foster co-operation, and make good policy.