CERT.LV

How to leverage best practices across Europe to harmonize emergency response

«The role of Cyber Defence to protect and sustain EU economy», Rome, Italy, 30.10.2014.

Baiba Kaskina, CERT.LV

Outline

- Case study – Latvia – legal environment and information sharing
- Case study – Latvia – cooperation with private sector
- Obstacles for CERT cooperation internationally

# Latvia - legal environment and information sharing

IT Security Law

- In force since 1 February 2011
- Sets CERT.LV tasks and responsibilities
- Defines responsibilities for:
  - Public sector
  - Internet Service Providers (ISPs)
  - Critical IT infrastructure owners

CERT.LV

- Information technology security incident response institution
- Mission: "Fostering IT security in Latvia"
- From 1 January 2013 - CERT.LV supervised by the Ministry of Defence

CERT.LV constituency
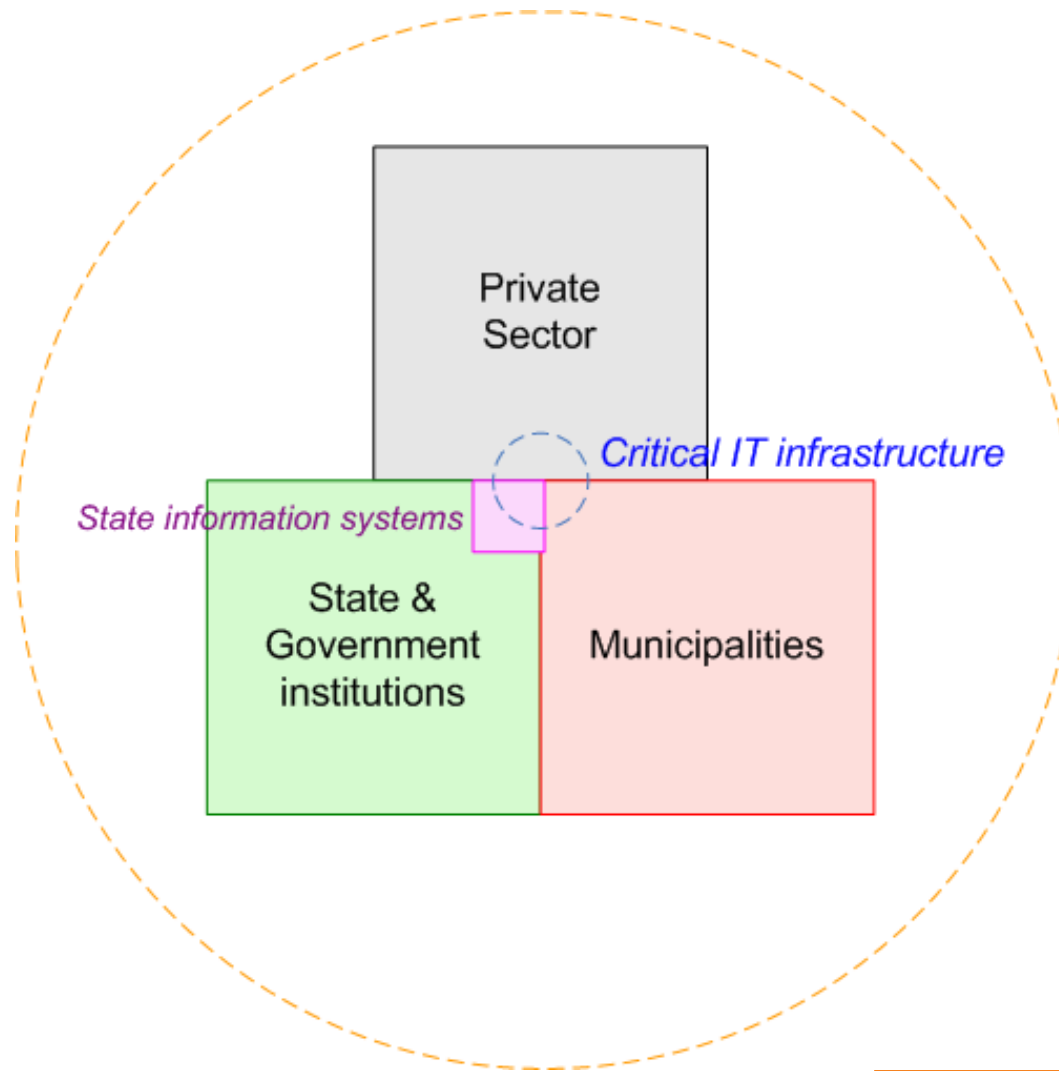
Information sharing

- State and municipal institutions
  - Must inform CERT.LV about incidents
- Critical infrastructure
  - Must inform CERT.LV about incidents
- Internet service providers
  - Must inform CERT.LV about serious incidents
  - Must provide information about incidents if requested by CERT.LV
- Others – no MUST

Latvia – cooperation with private sector

Responsible ISP

Symbol of quality, received by IPS that:

- Cooperates with CERT.LV and provides incident information to end users

- Cooperates with Net-Safe Latvia for illegal material takedown off the Internet

- Provides free Internet content filter setup upon customers request

- 13 ISP on board

- ~77% of networks covered

Financial sector

- Active cooperation with largest banks
- Info sharing under TLP
- Very active in awareness raising

Security Experts Group

- Information Technology and Information Systems Security Experts Group:
  - Voluntary IT/IS security experts group
  - Advance IT/IS security and security awareness culture in Latvia
  - Supports CERT.LV
  - Group has Statutes and Code of Ethics

Cyber Defence Unit

- Estonian example
- Concept developed in 2013, started in 2014
- 43 members, 6 in the process, further ~60 interested
- Unit operational within National Guards
  - Exercises
  - Support of CERT.LV in case of crisis
  - Transfer of knowledge

Obstacles for CERT cooperation internationally

Obstacles

- CERTs have different authority and mandate (even Nacional and governmental CERTs)

- Differences in the law

- Trust issues
  - even in the accredited CERTs environment
  - insufficient mechanisms to verify the maturity of others?

Thank you!

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