Role of policy makers and regulators in addressing information and network security in Lithuania - Elaborating a national information policy

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I & N security in Lithuania: some statistics

- In 2003, various security problems on the Internet were experienced by...
  - almost 11% adult Lithuania’s residents
  - or 59% of internet users

- Most recently mentioned are...
  - computer viruses (47.5%),
  - unsolicited e-mails (SPAM) (44.5%),
  - break-in to computer networks (9.1%) and
  - illegal usage of credit card information (1.4%).
I&N security in Lithuania: some statistics

Increase of incidents (one of the biggest ISP in LT)

- 1998: 20
- 1999: 182
- 2000: 287
- 2001: 931
- 2002: 849
- 2003: 1,347
- 2004: 2,064

Incidents (one of the biggest ISP in LT)

- Viruses/war: 60%
- Spam: 15%
- Scanning: 7%
- Illegal software: 9%
- Hacking: 6%
- Others: 3%
Survey of ISP regarding spam

- 38% of agreements foresee direct prohibition of spam,
- 47% of agreements foresee indirect prohibition of spam,
- 71% of ISP use spam filtering measures (with 50% efficiency):
  - Static and dynamic filtering
  - White lists & black lists
  - Rate limiting
  - Blocking of port 25
- Rare customer complaints about spam,
- Proposals were submitted, e.g.
  - development of Lithuanian “black-lists” (Spam from Eastern Europe, Asia)
  - Raising awareness,
  - For sending of e-mail’s use protocols that requires authentification.
Survey of ISP regarding CERT

By start 2005, survey of ISP was conducted:

- 65% of ISPs do security incidents management of their networks
- Only biggest ISPs have fully functioning CERT.

![Pie chart showing distribution of CERT status among ISPs]
# I&N security: Institutional overview

<table>
<thead>
<tr>
<th>Ministry of Transport and Communications</th>
<th>Policy, arranging strategies and implementation plans (both) Participate in ITU and ENISA activities (MTC) Network and information security in state institutions (MIA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ministry of the Internal Affairs</td>
<td>Law on Electronic Communications supervisory authority; involvement in anti-spam, rules to personal data and privacy protection &amp; protection against unauthorized access; Participate in ITU and ENISA activities.</td>
</tr>
<tr>
<td>Communications Regulatory Authority (RRT)</td>
<td>Digital signature supervision agency, supervision of illegal online content.</td>
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<tr>
<td>Information Society Development Committee</td>
<td>Actions against using spam for advertising</td>
</tr>
<tr>
<td>National Consumer Rights Protection Board</td>
<td>Responsible for personal data protection and supervision of Directive 2002/58/EC</td>
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</tbody>
</table>
Legal Framework of I&N security: present status

- Laws...
  - ... on electronic communications
  - ... on legal protection of personal data
  - ... on electronic signature
  - ... on advertising

- Government decision...
  - ... regarding control of off-the-record information in computer networks of public usage and rules of distribution of limited public information

- Order of Minister of Economy...
  - ... regarding the regulation of provision of some services of information society, especially of electronic commerce, in internal market

- Strategy and its’ implementation plan for...
  - ... security of electronic communication networks and information
- Law on...
  - ... security of electronic communication networks and information (consolidation on legal requirements)
- Establishment of...
  - CERT within RRT (consolidating information in one point)
Recent activities on I&N security:

- Coordination of institutions activities on electronic communications
- Technical assistance for strengthening capacities of authorities dealing I&N security
- Counter-spam activities:
  - Co-operation of state institutions
  - Participation in international meetings of anti-spam
  - Awareness raising
- Market surveys on spam and ensuring of IT security within ISPs
Recent activities on I&N security: raising awareness

Web sites on N&I security, designed for internet service users as well as providers
- Legislation on network and information security
- warnings on new viruses
- cyber crimes
- SPAM
- CERT
- ENISA and other organizations activities on I&N security
- Other information

- EC programs on Safer Internet
  - private initiative
    - Safer Digital Lithuania
    - Hotline Lithuania
Nearest plans for activities on I&N security

- Implement legislation development projects
- Launch a national CERT
- Promote awareness raising projects
- Work on media coverage over I&N security issues...
Co-operation: what could we do?

- Provision of information and opinions
- Preparation of documents on best practices and common positions
- Organising of events (seminars, conferences), including international level events
- Other forms of co-operation
Thank you for your attention