DNSSEC for TLDs: Experience from Sweden and Bulgaria

Swedish Strategy for Safer Internet

28 March 2007, ICANN-meeting, Lisbon
Jörgen Samuelsson
Internet’s importance

Internet is promoting:
• democracy,
• business/e-commerce/economic growth
• competition
• consumer right
• e-health
• 24/7 agency
Background and rational

• Based on National Post and Telecoms Agency input
• Consolidate thinking
• Promote and visualise
General conclusions

• Internet is robust
• Security problems moving target, so:
  – Long term perspective
  – Constant review
  – Promote
  – Influence where appropriate
• Security level must ensure trust
Specific Strategy conclusions

• The physical infrastructure must be protected against:
  – accidents,
  – disruptions
  – wiretapping and
  – manipulation of information transmitted.

• Resistance to disruptions in traffic should increase

• Education and information to increase security consciousness

• Operators and suppliers should take more responsibility

• Knowledge development about Internet infrastructure promoted, in the broader context of Information security
Specific Strategy conclusions

• Participation in international forums should increase, in cooperation between private and public sector

• Internet infrastructure crisis should be enhanced

• Resistance to disruptions in the DNS should increase
  – Implementation of DNSSEC, part of Action Plan attached to the Strategy