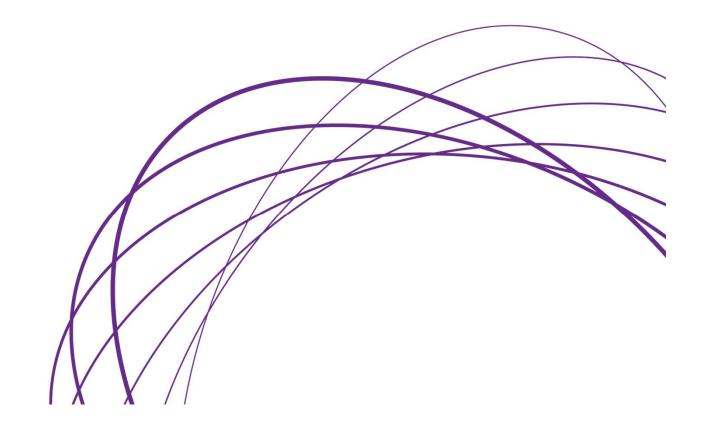
Cyber Security Activities at the Swedish Post & Telecom Authority (PTS)





Network Security

- Operational security and reliability
- Protective security (national security and terrorism)
- Information security







The National Strategy for Robust Electronic Communications

- The strategy is the foundation for all national activities concerning robustness, resilience and cyber security in electronic communications.
- The strategy sets the direction for the PTS through private-public partnerships to implement measures to strengthen infrastructure robustness and increase the ability for crisis management.



The National Forum for Electronic Communications Security

- The purpose of the forum is that it shall broadly address the field of network security with regard to regulatory and international aspects,
- act as an arena for mutual discussions on supervision, investigations and inquiries, statistics, consultations etc.
- The ten most important operators, the Swedish NIX and the foundation responsible of the top-level domain .se



The National Telecommunications Coordination Group (NTCG)

- NTCG supports the restoration of national infrastructures of electronic communications during critical disturbances
- NTCG consists of the ten largest Telcos and ISP:s, the leading distributor of radio & television, the national powergrid operator (backbone), the National Transport Authority, the Armed forces, and is chaired by PTS
- The NTCG is also the interface with the market operators where more sensitive security-related issues are discussed, and sensitive information is shared.
- NTCG is the top-node for the bi-annual National Electronic Communications Crisis Management Exercises.



How PTS Contribute to Make Communications Robust

Application level

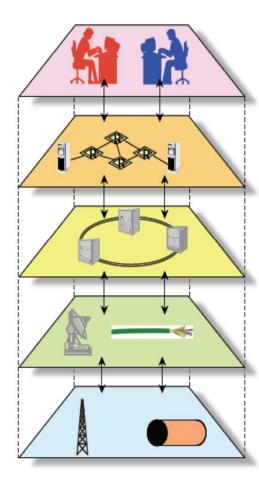
Transportation level

Network level

Link level

Physical level





- Training and exercises in crisis management
- •Recommendations of how to procure robust communication services for public sector
- Distributed NTP-servers
- Promotion of IPv6 + DNSsec
- •Implementation guides, robust networks/robust nodes
- •National portal for cable and pipe identification
- •Redundant fibre optic cables
- •Field testing of fuel cells
- Emergency power supply units
- Mobile basestations
- Underground facilities



National Portal for Cable and Pipe Identification

Check

before you dig!



Web-service to prevent excavation-related damage to cables



Organisations, Agencies and Companies in the Project

Core project team























Reference team

































