

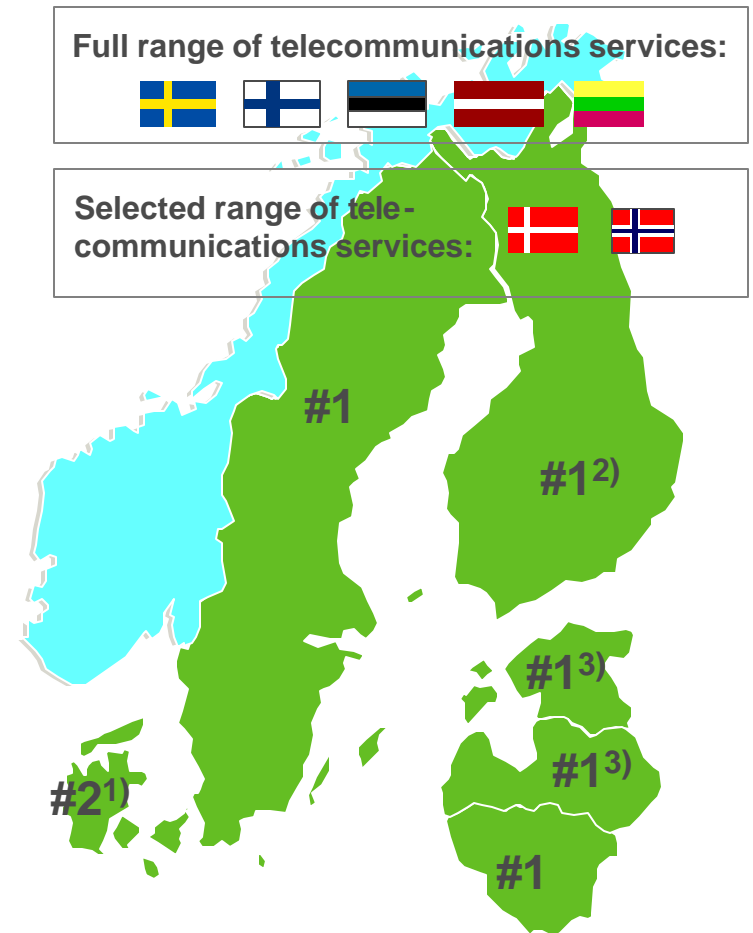


TeliaCERT CC

Computer Emergency Response Team
Coordination Center

Strong home market leadership

- Largest fixed voice and data provider in the Nordic region
 - Leading positions in Sweden and Finland
 - Significant position in Denmark
- Largest operator in the Baltic region
 - Consolidated fixed line operations in Lithuania
 - Minority interest in fixed line operation in Latvia and Estonia







1) TeliaSonera is the second largest provider of Internet broadband services in Denmark and the second largest owner of infrastructure.

2) TeliaSonera is one of the leading providers of domestic local, long distance and international voice services in Finland. 3) Non-controlling interest.

TeliaSonera in the Nordic countries

TeliaSonera operates under several brands:

	Country	Services	Ownership
	Sweden	Mobile Communications, Fixed Telephony, Internet services, Cable TV, Data Communications.	100%
	Finland	Mobile Communications, Fixed Telephony, Internet services, Cable TV, Data Communications.	100%
	Denmark	Mobile Communications, Fixed Telephony, Internet services, Cable TV, Data Communications.	100%
	Norway	Mobile Communications, Internet Services	100%

TeliaSonera in the Baltic countries

TeliaSonera operates through subsidiaries and associate companies:

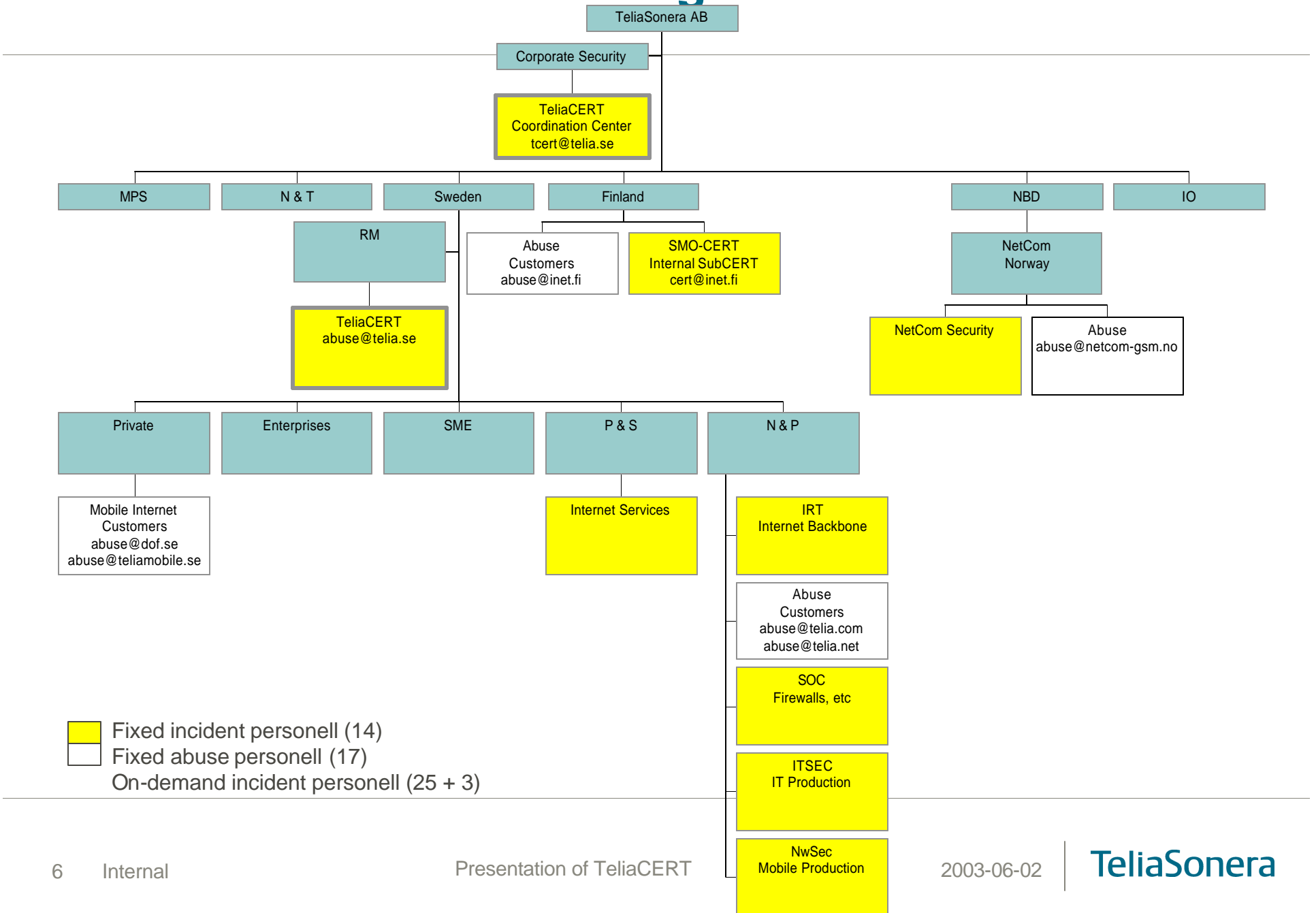
	Country	Services	Ownership
	Estonia	Fixed Telephony, Internet services and Data Communications	49%
	Estonia	Mobile Communications	49%
	Latvia	Fixed Telephony, Internet services, Data Communications	49%
	Latvia	Mobile Communications	60.3%
	Lithuania	Fixed Telephony, Internet services, Data Communications	60%
	Lithuania	Mobile Communications	55%

TeliaSonera Incident Organisation

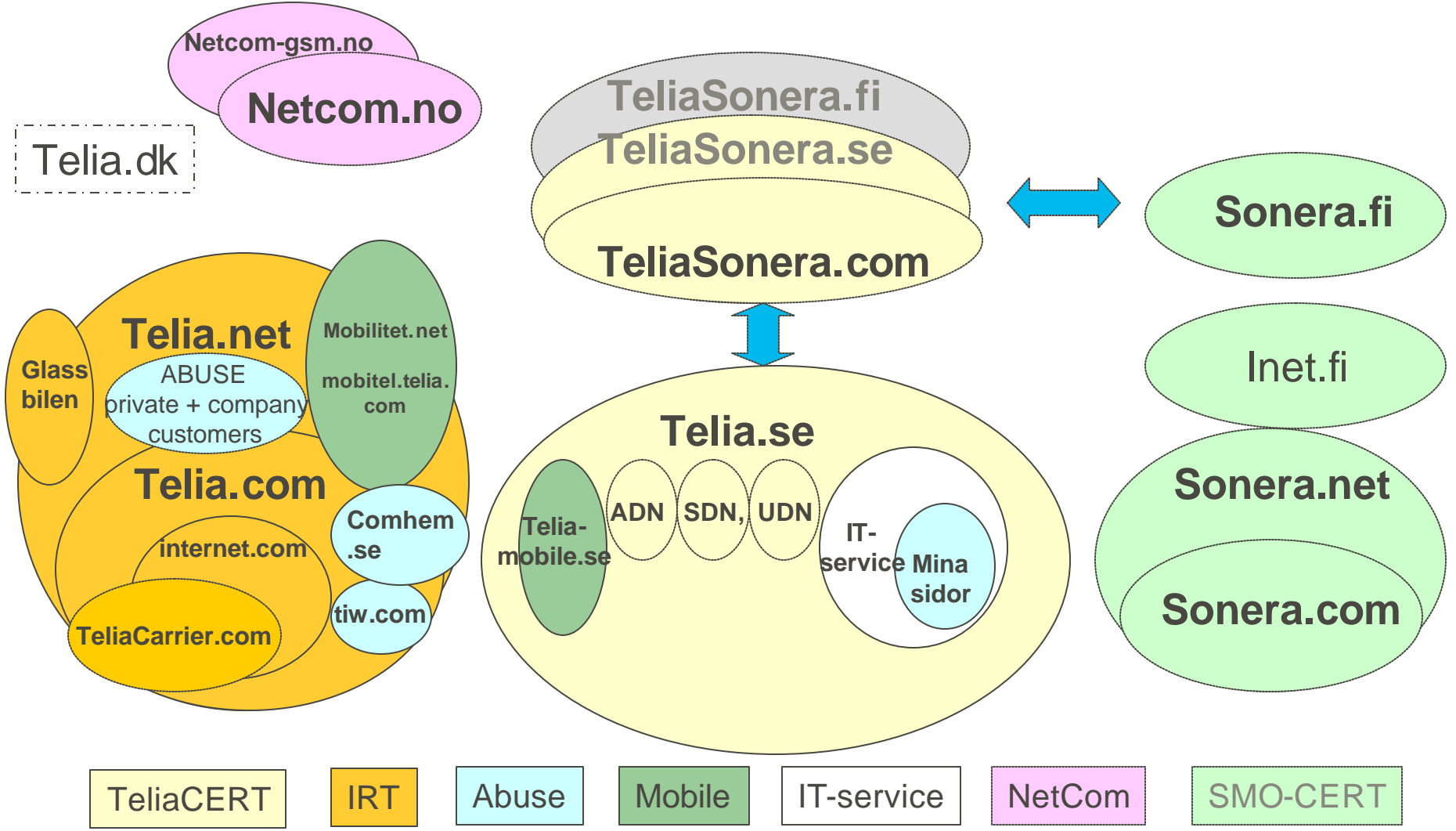
- TF-CSIRT L2 member 2001
- FIRST membership since 2000
- Initiator of Swedish CERT-forum

- Distributed organisation
 - One Coordination Center and several SubCERT
 - Delegate responsibility for handling the security incident
 - Faster and more efficient
 - Incident cost affects the organisation of the incident owner

TeliaSonera SubCERT organisation



TeliaSonera SubCERT responsibilities



Areas of Responsibility - Operative

- Emergency response
 - TCN, Telia Corporate Network (80%)
 - Other internal networks (10%)
 - Production and services networks (10%)
- Coordination of incident handling within the TeliaSonera Group
 - TCN, Telia Corporate Network
 - Other internal networks
 - Production and services networks
- Leads and coordinate incident handling organisation
 - SubCERTs
- Special Investigations

Areas of Responsibility - Preventive

- IT-Security Information Coverage
 - Information Gathering
 - Qualification
 - Publishing (web, maillists and early warnings)
 - Cooperate with other national/int'l CSIRTs, LEA
- TeliaSonera Corporate Network IDS
 - Network sensors and system log analysis
- Security Checklists
 - Hardening operating systems and applications

CSIRT = Computer Security Incident Response Team

LEA = Law Enforcement Agency

IDS = Intrusion Detection System (TeliaAIR + LogServer)

Areas of Responsibility – Follow-Up

- Penetration Testing
 - Coordinate
 - Perform
 - Leads the pool of ‘hacking’ competence
- Special Assignments

TeliaCERT Contact Information

- Emergency #: +46 8 713 1872
- Fax #: +46 706 175 101
- E-mail: tcert@telia.se
- Webpage: <http://www.t-cert.telia.se>
- Time of operations: 24/7
- PGP key: <ldap://certserver.pgp.com>

Any Questions?

Thank you for taking time to listen to us.