



Cybercom Group Europe

Internetdagarna

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Driven by sense



Topics

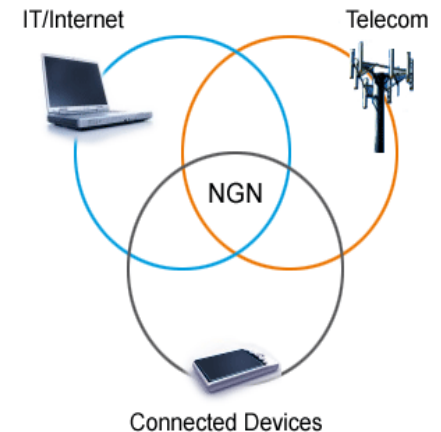
- WPKI – mobile handset as security token
- BankID, Finansiell ID Teknik
- The Swedish WPKI non profit association
- Examples of usage and demo

Cybercom in brief

- Stockholm stock exchange since 1999
- History since 1974
- About 1.300 employees
- Offices in Sweden, Denmark, UK, India, Poland, Singapore
- Some of our major clients:
Sony Ericsson, Ericsson, SL, Government/Public sector, TeliaSonera, Assa Abloy, Saab Systems, BGC, SEB, OMX, Reuters, Royal Bank of Scotland, Nordea,...

We deliver

- Identity Management / security solutions and products
- High performance systems development
- Content Management
- Testing, hosting and maintenance
- ON – NEAR – OFF SHORE



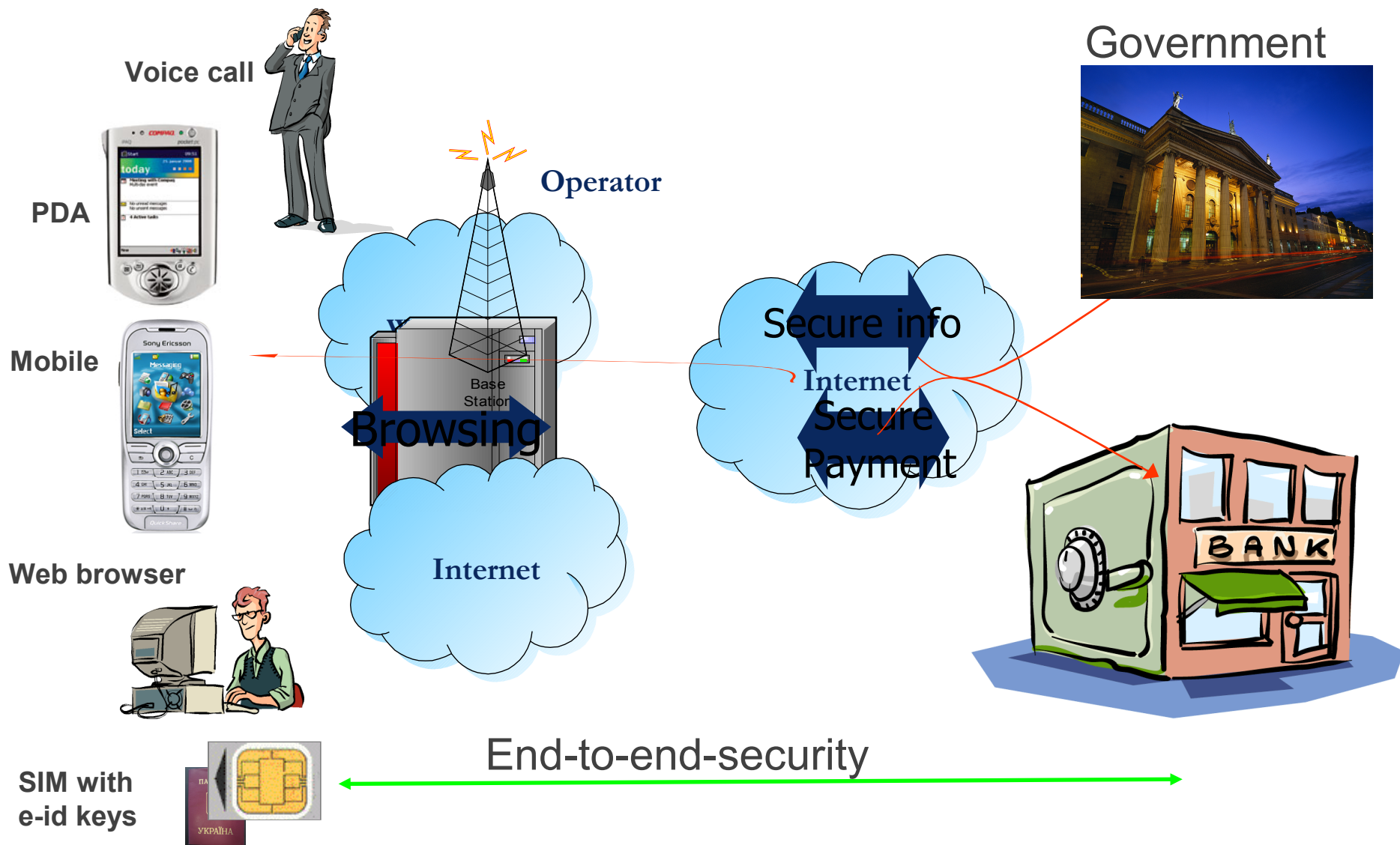
The mobile phone as a security device

- Gives the same security as an “ordinary” PKI Smart Card
- Enables an entire market of services requiring secure Identification, legally accepted Signatures, etc.
- Relies on existing standards and infrastructure, such as mobile networks
- Is truly a mobile solution for the users
- Is up and running in several countries
- Uses the same end-to-end security for different channels

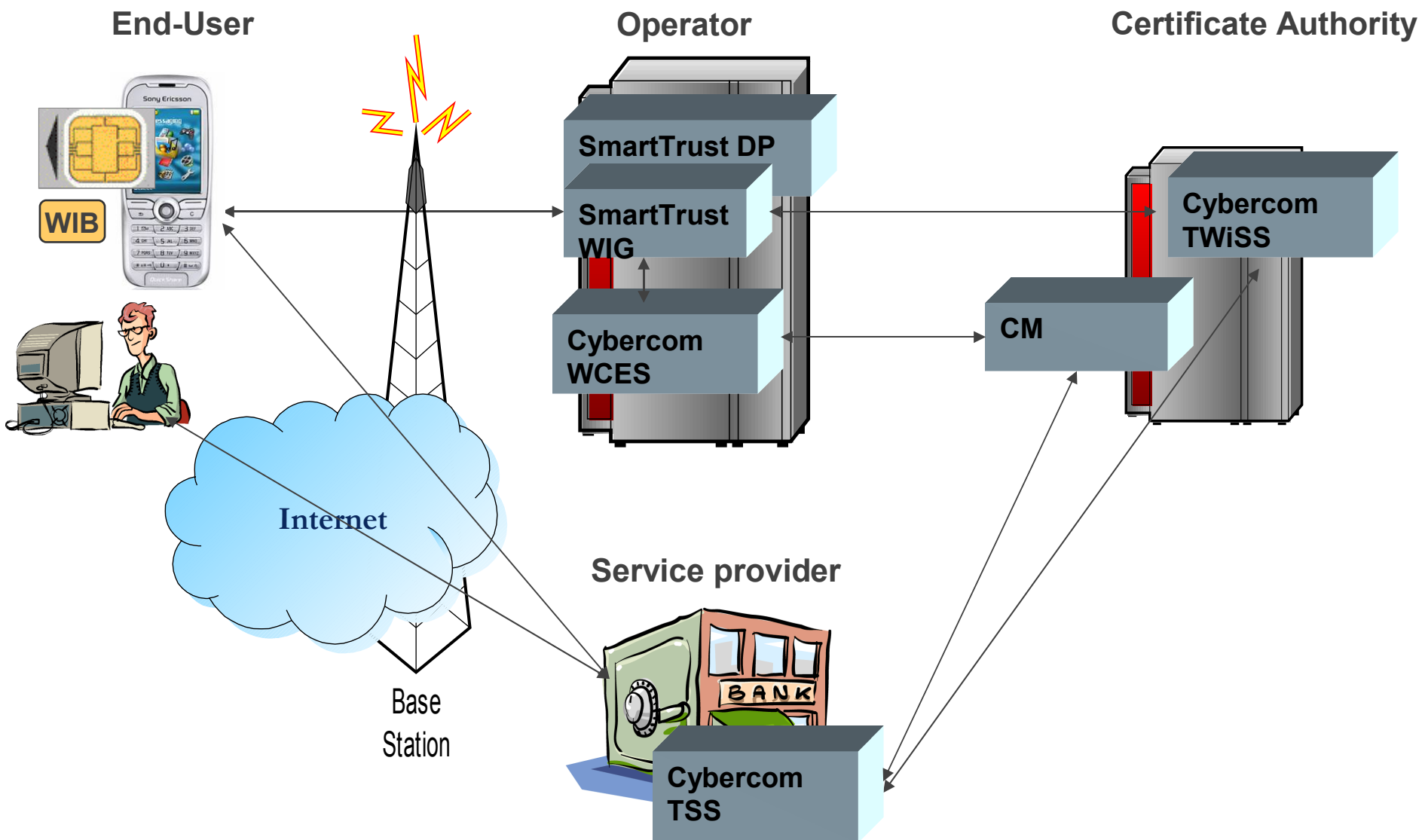


The mobile phone is
the **most spread**
security token in the
world!

Different Channels – Same Security



Deployment example



BankID, www.bankid.com

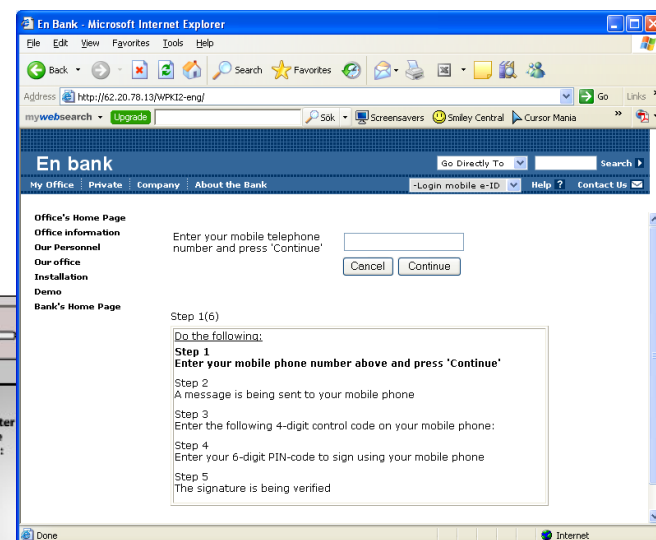
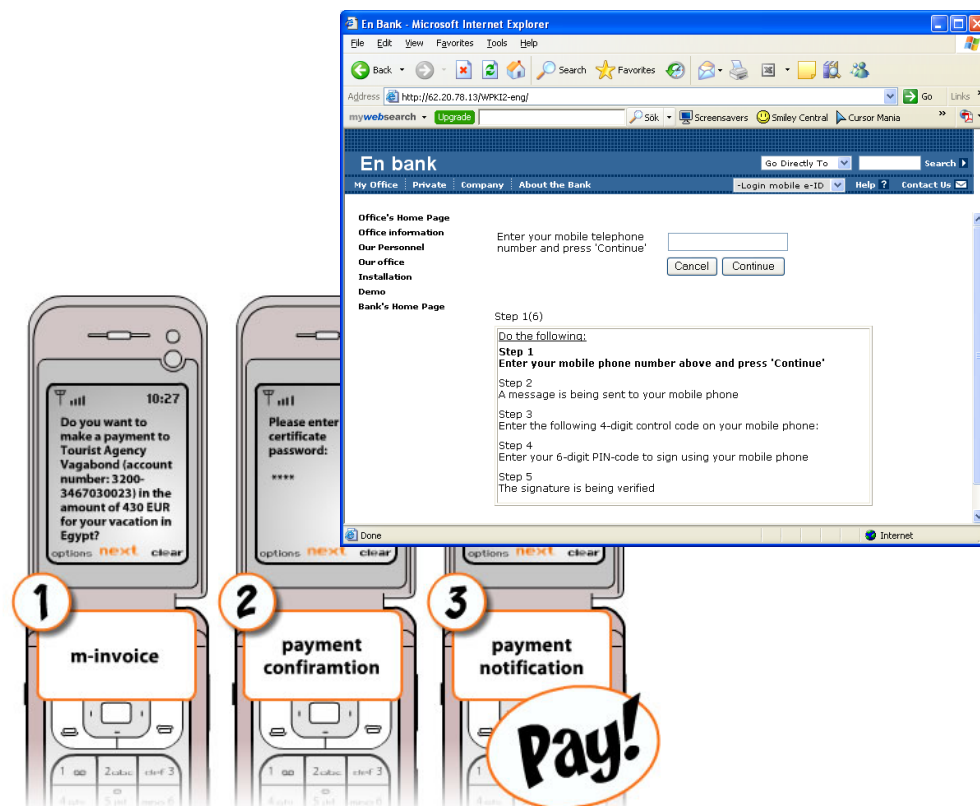
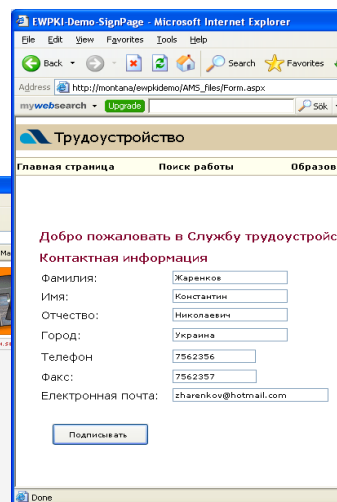
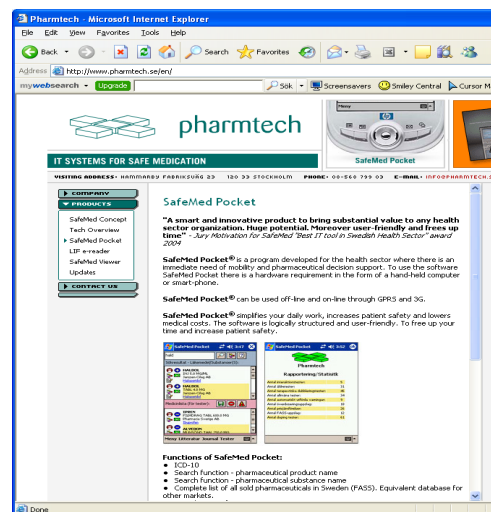
- **BankID is a service that offers secure electronic identification and signatures on Internet. Signatures are legally binding in the EU. The service has been developed by a number of large banks for use by private persons, authorities and companies.**
- Private persons can identify themselves and sign documents at web sites of authorities, companies and other organizations on the Internet by using their BankID. The customer's identification is guaranteed by the member bank, issuing the BankID.
- The Swedish Government has embarked on a programme to support the development of so-called "24 -hour authorities". BankID provide the secure electronic identification and signature system needed.
- Technology used today is PKI on smart cards and file. Mobile id is implemented during 2007-2008.

The Swedish WPKI Association, www.wpki.net

- The WPKI Non-Profit Association consists of corporations co-operating to enable a well-functioning infrastructure for mobile e-IDs.
- The WPKI Non-Profit Association maintains and develops a number of technical and administrative specifications that
 - describe how the mobile terminal SIM cards should be designed to host the mobile e-ID
 - specify the interfaces between the mandatory roles: Mobile Operator, e-ID issuer and Relying Party and list these role's contractual commitments to each other
- Members
 - Finansiell ID-teknik BID AB (Swedbank, Handelsbanken, Danske Bank, Länsförsäkringar Bank, Skandiabanken, Ikanobanken, Sparbanken Finn and Sparbanken Gripen)
 - Bankenes BetalingsSentral (BBS, Norway)
 - Skatteverket (Swedish Tax Agency)
 - TeliaSonera, Telenor
 - Ericsson, SmartTrust, Cybercom, Gemalto
 - et al...

Examples, demo

- E-banking
- E-payment
- E-government
- E-healthcare



Questions and discussion

- www.cybercom.se
- www.bankid.com
- www.wpki.org
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Some WPKI implementations

- Swedish WPKI Association and BankID
 - Telia, Telenor, Swedbank
 - AMS, Swedish Labour Market Administration Authority (trial)
- Telenor, Norway
- Omnitel, Lithuania
- Wataniya, Kuwait
- Vodafone, UK (for employees)
- TeliaSonera, Finland
- Elisa, Finland
- DNA, Finland