



Cybercom Group Europe

Internetdagarna

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Driven by sense

**CYBERCOM
GROUP** 

Topics

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

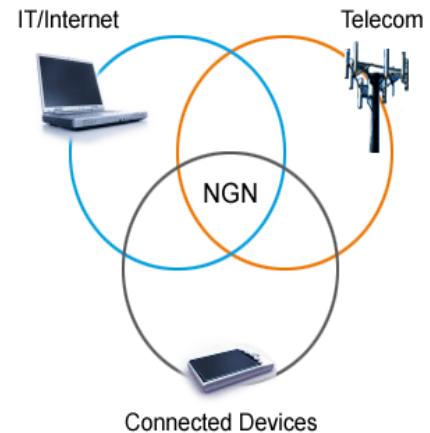
Cybercom in brief

- 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



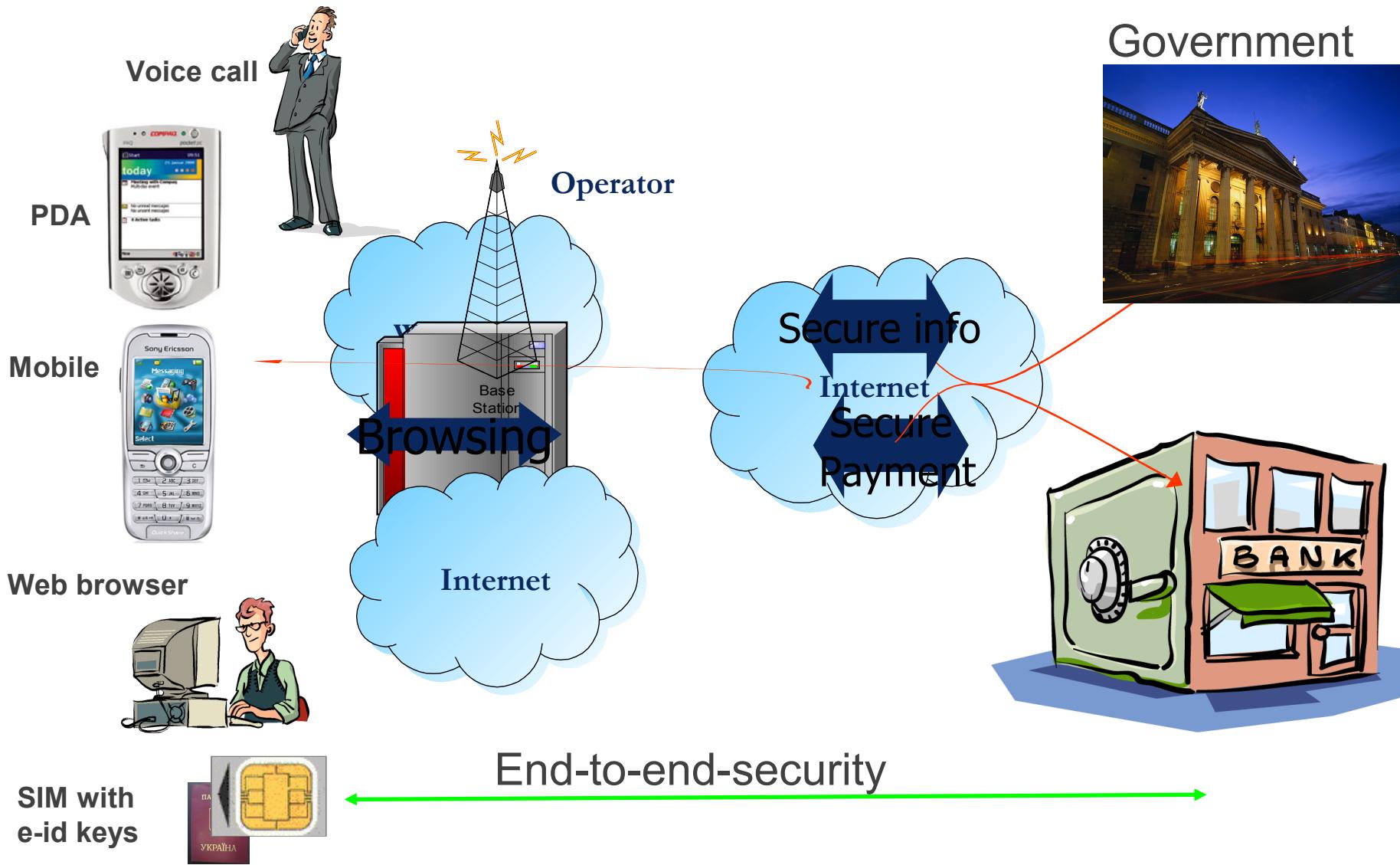
The mobile phone as a security device

- 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

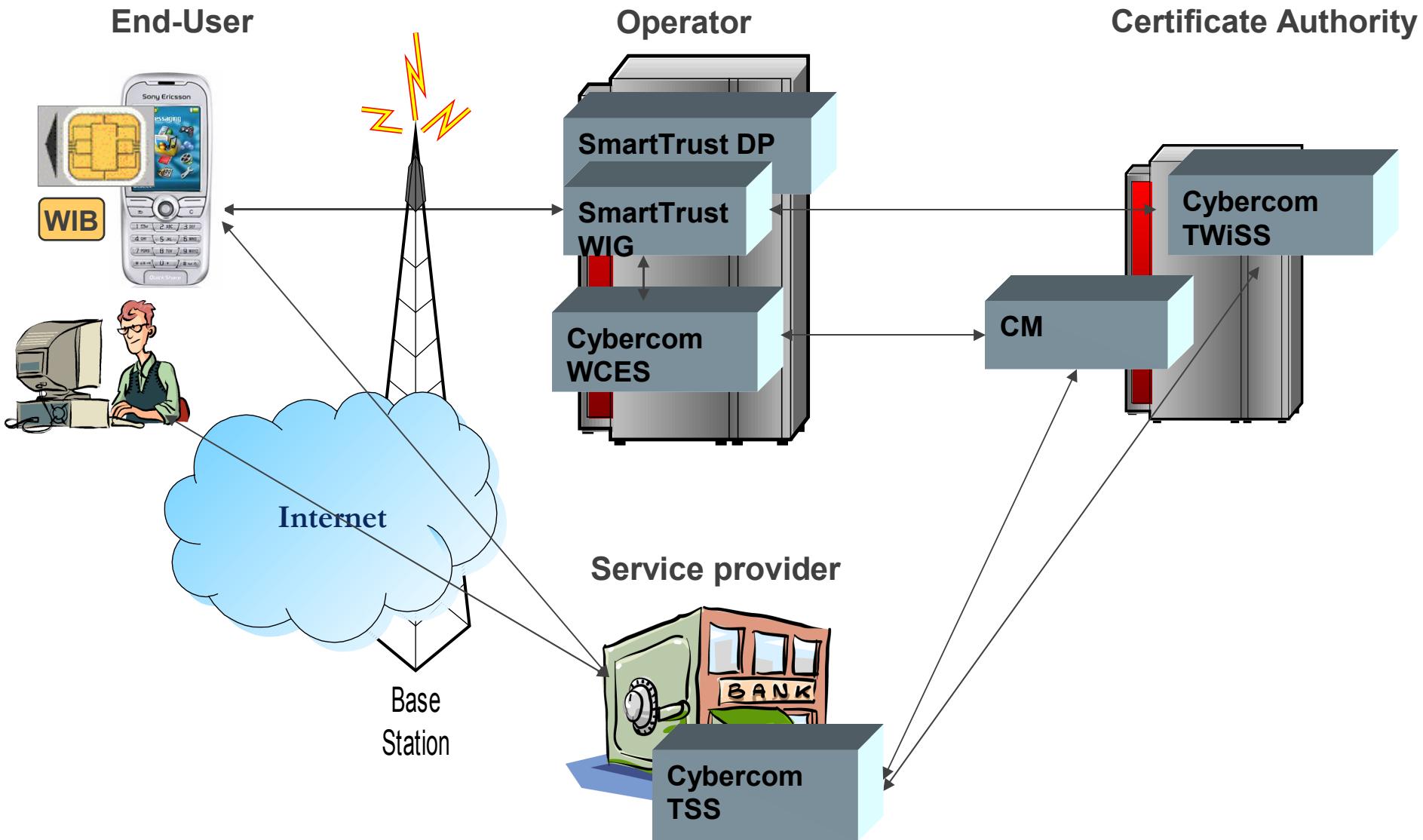


The mobile phone is
the most spread
security token in the
world!

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

Pharmtech Microsoft Internet Explorer

IT SYSTEMS FOR SAFE MEDICATION

Address: <http://www.pharmtech.se/en/>

safeMed Pocket

safeMed Pocket is a smart and innovative product to bring substantial value to any health sector organization. Huge potential... More time available and frees up time for other activities. SafeMed Pocket is a tool in a modern health sector. Since 2004.

safeMed Pocket is a program developed for the health sector where there is an increasing demand for mobility and pharmaceutical decision support. To use the software **safeMed Pocket** there is a hardware requirement in the form of a hand held computer or smart-phone.

safeMed Pocket can be used off-line and on-line through GPRS and 3G.

safeMed Pocket simplifies your daily work, increases patient safety and lowers medical costs. The software is clearly structured and user-friendly. To free up your time and increase patient safety.

Functions of **safeMed Pocket**:

- Search function - pharmaceutical product name
- Search function - pharmaceutical substance name
- Search function - all sold pharmaceuticals in Sweden (PASS). Equivalent database for other markets.

EWPKI-Demo SignPage Microsoft Internet Explorer

Address: http://montana/ewpkidemo/AMS_files/Form.aspx

Трудоустройство

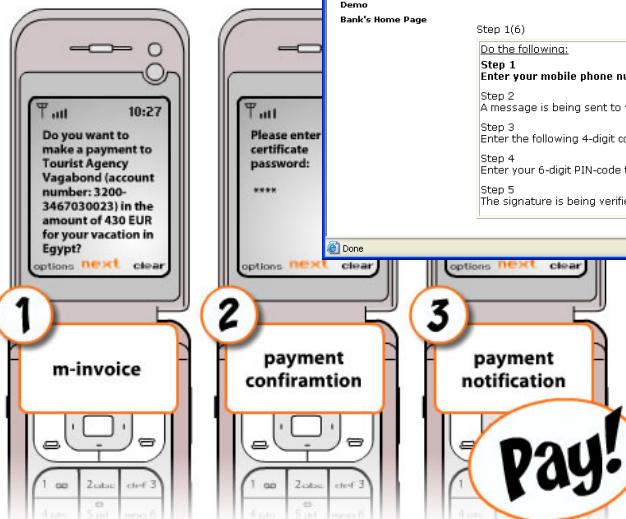
Главная страница Поиск работы Образова

Добро пожаловать в Службу трудоустройства

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Подписать



En Bank - Microsoft Internet Explorer

Address: <http://62.20.78.13/NPKI2-eng/>

mywebsearch - Upgrade

En bank

Office's Home Page Office information Our Personnel Our office Installation Demo Bank's Home Page

Enter your mobile telephone number and press 'Continue'

Step 1(6)
Do the following:
Step 1 Enter your mobile phone number above and press 'Continue'
Step 2 A message is being sent to your mobile phone
Step 3 Enter the following 4-digit control code on your mobile phone:
Step 4 Enter your 6-digit PIN-code to sign using your mobile phone
Step 5 The signature is being verified

Questions and discussion

- www.cybercom.se
- www.bankid.com
- www.wPKI.org
- tomas.rimming@cybercomgroup.com, +46 8 7267765



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