

# Mobile Phone Authentication – Opens for Personalised Services

Telecom operators have to make the choice: concentrating on the “bit pipe” supply of telecom services, or taking part in the supply of value-added services.

Authentication is the key for a customer relation, and the entry for value-added services. Our telecom customers are used to hassle-free access (GSM works everywhere), and will expect the same functionality in all networks.

The customer is used to having her mobile phone around, and the SIM card opens for authentication and encryption in every wireless network (Bluetooth, WLAN, Hiperlan, ...) in addition to GSM and UMTS. The distributed SIM creates security in the “personal sphere”. A digital key is received via the mobile phone and then distributed to the devices, which can use it to set-up an encrypted/secure communication.



Seamless and Personalised Access opens for access to “my services”, without bothering about “login, username & password”. Telenor FoU has developed two applications to demonstrate the functionality of a SIM-based authentication:

- A Seamless login to personalised WEB services
- B Secure PC – your PC is only useable if you are in the vicinity

## A – Seamless Personalised Login



This demonstration uses a Bluetooth link to our phone to authenticate you. Your username is your phone ID and your password is stored in the SIM card. When “authenticating”, both entries are retrieved from your SIM card and you will get immediate access to your personal WEB services.

## B – Secure PC

Your PC is secured and will automatically go into working mode if you (and your mobile phone) are in the vicinity. Go to lunch and feel secure about your data. Nobody can access them. And when you return you are in working mode again, without any typing.

If we don't provide personalised services, others will do it! The IT industry is currently moving towards “the net”, not only by providing networking functionality, but also by providing payment solutions.

