



See  
how it works!



# Insta Mobile ID

for the next-generation mobile telecommunications



# Insta Mobile ID – turns your mobile phone into a personal trusted device



## An example of a typical transaction



## BENEFITS OF THE SOLUTION

- Increase your revenues and customer loyalty by offering mobile identity for your customers
- Offer a trusted environment for e-commerce
- Turn-key solution for mobile identity management
- Easy to deploy and based on industry standards

**Insta Mobile ID is a turn-key solution for mobile identity management that turns the mobile phone into a personal trusted device enabling mobile operators and service providers to offer trusted mobile identity services. With these services end users on the move can confirm for example their purchase orders or financial transactions securely with their mobile phone. For service providers, the Insta Mobile ID gives more flexibility to do e-commerce with their customers in a highly secure environment.**

The focus of mobile services is shifting. Instead of adapting a single Internet-based information service offering for a mobile phone's limited user interface, the emphasis is now on building an enabling service infrastructure. Among those mobile service delivery infrastructures is one that provides mobile identity for several independent mobile and Internet based services.

Crucial success factors for the provision of mobile services are the issues of usability and trust. Trust in the mobile environment is primarily dependant on the perception that authentication credentials, financial transactions and personal profiles are kept secure and private. In addition, it needs to be user friendly.

The Insta Mobile ID solution consists of two product suites: Insta Certifier for CA (Certificate Authority) and Valimo Validator - MSSP.

### How it works

Mobile network operators build a mobile signature service infrastructure by issuing user certificates for the digital keys stored on the tamper-proof SIM card and by installing the system enabling the delegation of signing requests to the mobile phone. The mobile network operator provides a web services interface to service providers allowing

them to order a user's mobile signature. This service is made available for any service provider thus separating the complex and resource intensive management of certificates, signatures and transaction from the third party service provider's systems.

The system for mobile signatures and trust services are enabled by the use of PKI (Public Key Infrastructure). The user needs only a mobile phone and a PKI-enabled or mobile signature-ready SIM card. No additional card readers, computers or client software is needed. Mobile signatures are generated in the SIM card and the signing process is controlled by the users.

In the Insta Mobile ID solution, the user certification is handled by Insta Certifier. Delivering signing requests and managing the transaction lifecycle is handled by the Valimo Validator-MSSP.

### Insta Certifier: Issuing and managing user certificates

The key features are:

- Web-based administration
- A tailored web-interface for help desk services
- Multi user control and fine-grained separation of duties
- Event logging and audit trail

### Valimo Validator – MSSP: Brokering signing requests, verifying and validating mobile signatures

The key features are:

- User authentication for Identity Management
- Trusted Mobile Services:
  - transaction validation
  - digital Signatures from SIM & USIM (3G SIM phones)
  - transaction database for non-repudiation, billing and audit purposes

# Valimo

### What is a mobile signature?

A digital signature generated by mobile phone, which works in GSM, WAP and 3G phones.

### What is an MSSP?

A Mobile Signature Service Provider (MSSP) is a company offering mobile signature services.

Mobile Network Operators are in the best position to offer signature services. From an MSSP perspective there are three customer segments:

- End users: Mobile subscribers having the digital signing functionality
- Corporate customers: Businesses that provide a mobile phone for their employees
- Application providers: Businesses that want to reach individuals equipped with a digital signing capability.

The Insta Mobile ID solution uses the ETSI-specified mobile signature service (ETSI-MSS) to allow application providers to request mobile signatures from the end users.

## Solution partner:



### Valimo Wireless Ltd

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### Valimo Wireless

Helsinki-based Valimo Wireless delivers mobile identity management and strong authentication software solutions for mobile environments to its operators and corporate customers. Valimo's solutions are used by more than 40 European and Middle Eastern customers, assuring non-repudiation, high data security and high availability for mobile phones using WPKI.



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Insta DefSec's Security Systems is a global information security specialist developing and supplying networking and information security solutions. We focus on innovative solutions and applications for customers with high quality and security requirements. Our top-level expertise and technology, combined with our certified operating practices, have ensured us an internationally recognized position as one of the leading security companies in the market.