

Cybercom

# Wireless Certificate Enrollment Server

Enables Mobile Operators to Capitalise from EID Services

Mobile usage has increased over the last few years with end-users demanding a variety of services that can be performed using the mobile phone. In today's society the need to have up-to-date information that is accessible securely is ever increasing. The mobile phone as a portable device has made it easier for the end-user to access services over the Internet. This in turn has opened up the market for providing secure services.

## Introduction

WCES (Wireless Certificate Enrollment Server) is a key component in providing secure wireless services using existing mobile technology. WCES provides the first step in enrolling end-users in order for them to be able to use their mobile phone as a secure device to access services such as banking, payment services, declaring taxes among other things.

With the increase use of mobile phones in recent years and the ability of SIM card technology to hold keys for signing and confidentiality, it is only natural that the mobile phone is the next step in providing secure communication in today's society. WCES provides the operator with an advantage to add new secure WPKI (Wireless Public Key Infrastructure) mobile services to end-users.

## Functionality

WCES software provides the following functionality:

- Proof of possession of private key
- Trigger the issuing of certificates connected to the subscriber
- Store SIM card number and public keys in a database

With all secure services, it is essential that the end-user has possession of their private key. This is done through sending a text that needs to be signed by the end-user. The signature is then verified by validating the signature with the public key.

Once the proof of possession has been established, the issuing of the certificates is triggered and together with the certificate, the SIM information and the public keys are stored in the database.

Through using the WCES component as part of the wireless solution, an operator can fulfill the first step in the process for providing extended secure mobile services to the end-user.

## Technical Information

- Builds on SIM card technology using SmartTrust WIB™
- Provides Registration Authority functionality
- Pluggable support for different Certificate Authorities
- Supported on Microsoft Windows 2003, Linux and UNIX.



## About Cybercom

The Cybercom Group is a high-tech consultancy that offers global sourcing for end-to-end solutions.

The Group established itself as a world-class supplier in these segments: portals, mobile solutions, embedded systems, e-commerce, and business support systems.

Thanks to its extensive industry and operations experience, Cybercom can offer strategic and technological expertise to these markets: telecom, industry, media, banking and financial services, retail and the public sector.

The Group employs about 2,000 persons and runs projects worldwide. Cybercom has 26 offices in 10 countries. The company was launched in 1995 and since 1999, Cybercom's share has been quoted on the OMX Nordic Exchange.

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