



*mobile pioneering
sicap – simply your solution*

SIM Over-the-Air Management

Sicap SIM OTA is an essential enabler in (U)SIM card management, regardless of SIM type or subscriber location.

With SIM OTA you can remotely control and deliver services which require reliable and secure management of applications, files and content. Deployed from the Oberthur Technologies platform with 250 functionalities, the **sicap** solution is used to market SIM-based VAS, optimise roaming, and enable secure applet management. It plays a central role in contactless applications and all related security requirements for Near Field Communication mobile transaction applications.

End-user benefits:

- Optimised roaming on preferred networks
- Best price roaming for services
- Secure services, including NFC transactions such as mobile payment or mobile ticketing
- Portability and SIM card content backup on a network server
- Menu-driven and dynamic service selections

Operator benefits:

- Cost-effective, flexible management of value-added services
- Optimised roaming agreement negotiations and control
- High-volume card management, with distribution of multiple updates to specific subscriber groups or single cards
- Proven platform with over 120 implementations worldwide



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Business case example

A European operator serving millions of end users achieved cost savings of 30 million Euros, by implementing **sicap**'s roaming features which direct roamers to preferred partner networks.

Attractive service discovery

Sicap's SIM OTA allows you to introduce new services and modify the contents of your SIM card population quickly, efficiently, and at minimum expense.

Services and applications are easy to promote, find and use. Services are profiled to subscribers preferences and adapted to the capabilities of their mobile device.

By empowering end users to make menu-driven selections, you increase adoption of value-added services, while reducing both your Customer Care calls and expenses.

Dynamic Roaming

Sicap's Dynamic Roaming management enables you to steer outbound roamers dynamically to your preferred partner networks.

SIM OTA sends appropriate SIM messages to roaming end users based on their location. More roamers are redirected to these partner networks, resulting in higher roaming revenue at lower costs for you.

NFC ecosystem management

SIM OTA provides a reliable card management system with multi Security Domains (SD) management in the NFC ecosystem. The platform offers secured interfaces for operators, Service Providers, and the Trusted Service Manager.

What our customers tell us...

"Sicap's SIM OTA solution was the right choice. It provides all the required functionality. Sicap was prepared to engage in an extremely short timeline in order to successfully implement the system and demonstrated the company's extensive OTA experience throughout."

Shoichi Sato, Sales Manager,
Ericsson Japan

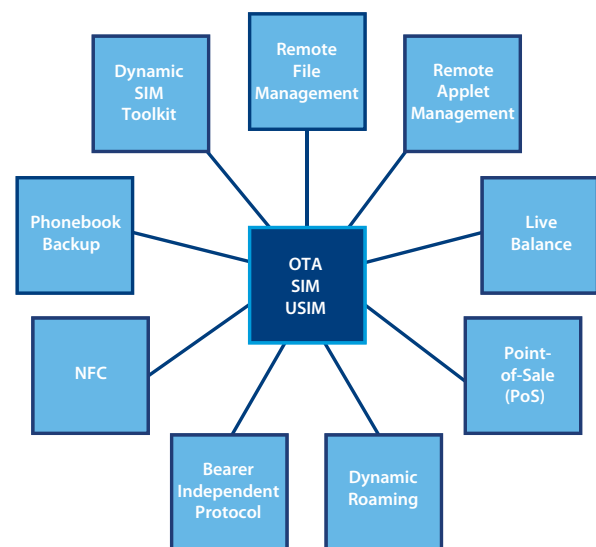
How it works

Sicap's SIM OTA provides a set of services for provisioning, download and personalisation of applications. It seamlessly handles any differences in SIM standards, supporting all generations from legacy SIM to latest USIM cards.

Sicap's Dynamic SIM Tool Kit, S@T browsing and Smart Card Web Server enable you to configure SIM-based menus for individual end users, as well as campaigns for whole customer segments.

SIM OTA can connect to the SIM via SMSC, through the SS7 protocol, via data channel (Bearer Independent Protocol) and/or to Card Readers.

Our modules



To propose the best service to mobile operators, **sicap** has chosen to build an exclusive partnership with Oberthur Technologies, a world leader in secure technologies, trusted by more than 250 mobile operators.

- One of two worldwide industry leaders in security and identification-based smart card technology
- Global OTA product range with latest technologies, such as BIP and card management for NFC
- 6,000 employees worldwide, with over 30 service centers covering 5 continents
- More than 600 million smart cards personalized per year