

eOS OTA MANAGEMENT



CONTEXT AND BUSINESS CHALLENGES

MNOs have a heterogeneous fleet of SIM cards that need to be updated in the field due to change in roaming agreements, introduction of new network elements, and so on.

The operators need an administrative tool to remotely manage SIM cards post issuance.

Most of the time, operators want to carry out campaigns to update SIM card configuration and applications by batches, depending on customer segmentation, geographical or other criteria.

With the rapid take up of IoT and M2M, there is an increased need for remote and secured interactions with the SIM embedded in the connected devices.

DESCRIPTION

EOS OTA Management is a user friendly OTA platform which allows Remote File Management (RFM) and Remote Application Management (RAM) of SIM cards via reliable and

secured channel.

- The solution supports multiple bearers: SMS, BIP, CAT, TP, HTTP and HTTPS download.
- It is compliant with 3GPP standard 03.48.
- Supports for 2G, 3G, 4G LTE.
- It provides capability for over-the-air update of SIM files information such as GSM application features (IMSI swap, preferred PLMN, SIM service table update and so on.), telecom service features (SIM phonebook update, fixed dialing control, MSISDN update, etc.), USIM application files, proprietary application files and security features.
- It is used to download, install, remove, lock and unlock, and get parameters of Java applet "over-the-air".
- Remote interaction with the SIM via campaign or individual IMSI.
- Reporting and monitoring.
- Interoperability with third party's SIM cards.

BENEFITS

- Full OTA features: files and applets life cycle management (RFM + RAM), multiple triggers for unit update or campaign management, HTTP and HTTPS download available.
- Industrial proof: scalable architecture, possible upgrade/integration with Oasis' EOS Device Management.
- Available in SaaS mode, or on-site deployment.