

Java SIM Card Administration

Understand how interoperable VAS applications are securely managed in Java SIM



Today, the majority of SIM cards benefit from Java Card open operating systems, allowing **interoperability of VAS toolkit services**. Secure installation of these applications following the Global Platform model, can initially seem a complex process.

This training course will allow you to rapidly get to know the main features of these products, their specifications, and the **installation process**, to easily manage, test & **deploy your own VAS applications**



At the end of the training you will

- > Understand JavaCard, 23.048 and Global Platform specifications
- > Understand the interoperable STK applet development process
- > Be able to manage JavaCard based SIM Cards and their associated security to deploy & test your own VAS applications

Who should attend

- > SIM Manager
- > VAS Manager
- > Handset Validation Team
- > Project Manager
- > Developer Staff
- > ...

Pre-requisites:

- > It is strongly recommended that you follow the "SIM, STK & OTA Basics" course before attending this course

This course is held in English

Key topics

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| <ul style="list-style-type: none"> > Applet > Java Card Virtual Machine > Over the Air security > Toolkit Installation parameters | <ul style="list-style-type: none"> > Remote File Management > Remote Applet Management > Minimum Security Level > Secure Channel |
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Course Schedule



Day 1	Practice
<p>Introduction</p> <ul style="list-style-type: none"> > Java Card architecture > Java SIM card architecture > Applet development process <p>JavaCard based smart card</p> <ul style="list-style-type: none"> > Introduction > Architecture > Applet management > INSTALL(LOAD), LOAD, INSTALL(INSTALL) Commands 	<p>Follow applet process development, from a java file to an applet in the card</p>

Day 2	Practice
<p>STK and JavaCard based SIM card</p> <ul style="list-style-type: none"> > STK reminder > GSM application > Event management > Toolkit Installation parameters > Proactive commands <p>Remote Management</p> <ul style="list-style-type: none"> > Reminder on 23.048 security parameters > General Card Architecture > RAM, RFM, > CM, Security Domain <p>Management commands (23.048 & GP)</p>	<p>Test a basic STK applet. Test applet with different STK Events</p> <p>Manage & troubleshoot installation parameters</p> <p>Simulate the OTA communication chain, from the Server to the card;</p> <p>Manage secure applet downloading: personalise the security of your OTA message /Installation parameters of Java SIM Card.</p>

