# UL GSMA M2M SGP.11 Subscription Manager Test Suites

## Who is it for?
UL GSMA M2M SGP.11 Subscription Manager Test Suites are aimed at companies in the M2M industry such as mobile network operators (MNOs), subscription manager vendors or eUICC manufacturers who want to test their SM-DP and SM-SR.

## Why do you need it?
The UL SGP.11 SM-DP Test Suite enables you to validate that the SM-DP is compliant to the GSMA's SGP.11 'Remote Provisioning Architecture for Embedded UICC Test Specification'.

The UL SGP.11 SM-SR Test Suite enables you to validate that the SM-SR is compliant to the GSMA's SGP.11 'Remote Provisioning Architecture for Embedded UICC Test Specification'.

Full validation of your implementation can be performed without the need to interface with other entities in the M2M architecture.

## What is inside?
UL GSMA M2M SGP.11 Subscription Manager Test Suites consists of several simulation modules used to test the SM-DP or the SM-SR under test.

- **Full Simulation of GSMA Subscription model procedures** performed by all entities in the M2M ecosystem
- **Communication Support** for SOAP web service APIs, Secure Channels SCP03, SCP03t, SCP80 and SCP81
- **Full coverage of SGP.11 Interface Compliancy and Platform Behavior test cases** for SM-DP and SM-SR nominal and error test sequences
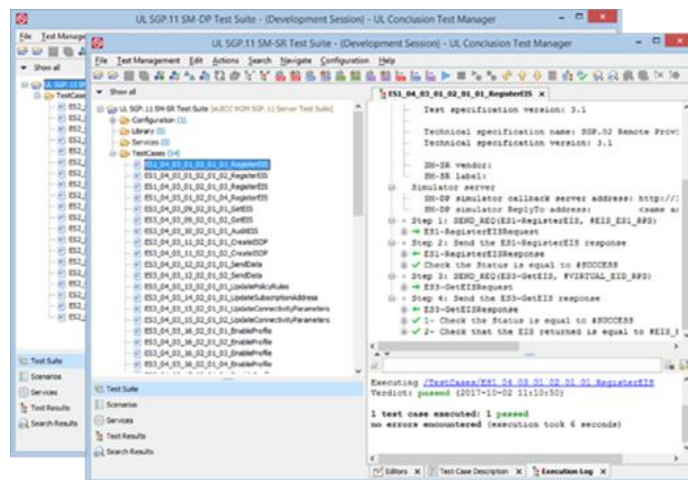


## Key benefits
- Full coverage of SGP.11 Section 4.3 Interface Compliancy test cases including all SM-DP and SM-SR nominal and error test sequences
- Full coverage of SGP.11 Section 5.3 Platform Behavior test cases including all nominal and error test sequences
- Test Individual GSMA ES interfaces with support for testing all functions on the ES1, ES2, ES3, ES4 & ES7 interfaces
- Ensure SM-DP and SM-SR comply with GSMA's SGP.01 architecture, SGP.02 implementation specification and SGP.11 test specifications
- Automated report generation
- Reduce your time to market

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## Specifications

### Supports
- Automated and manual testing
- Synchronous and asynchronous message flows
- Complete SM-DP & SM-SR testing
- XML, SOAP web service APIs, Secure Channels SCP03, SCP03t, SCP80 and SCP81
- Comprehensive reporting

### Configurable Simulators
- Each simulator can run in isolation or they can be linked together depending on testing requirements for the unit under test.

### Tested GSMA ES Interfaces
- **ES1:** (EUM to SM-SR) is used to register an eUICC represented by its eUICC Information Set (EIS) within the SM-SR via agreed security channels and protocols
- **ES2:** (MNO to SM-DP) allows the MNO to retrieve up to date EIS information via agreed security channels
- **ES3:** (SM-DP to SM-SR) Link Establishment allows retrieval of the eUICC EIS of a particular eUICC from the SM-SR based on the eUICC Identifier (EID) via Soap API web services
- **ES4:** (MNO to SM-SR) is used to retrieve the eUICC EIS via agreed security channels and protocols
- **ES7:** (SM-SR to SM-SR) enables new SM-SRs to request new key sets to be created in the ISD-R for the EID as part of a SM-SR change

**Note:** ES5 (SM-SR to eUICC) and ES8 (SM-DP to eUICC) explicit interface testing is out of scope as per SGP.11 Section 3.2.1.2.

### Covers
- Profile Management procedure testing
- Interface compliancy testing for Off-card Interfaces in SGP.11 Section 4.3 and also Platform Behavior as per SGP.11 Section 5.3
- Nominal and error test sequences for functional SM-DP and SM-SR testing
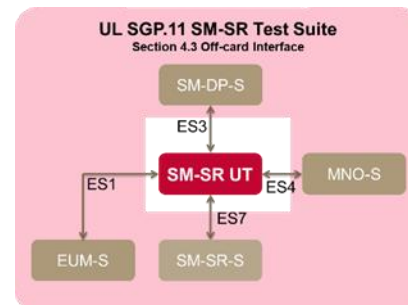
### Validations
- GSMA SGP.01 architecture specification
- GSMA SGP.02 implementation specification
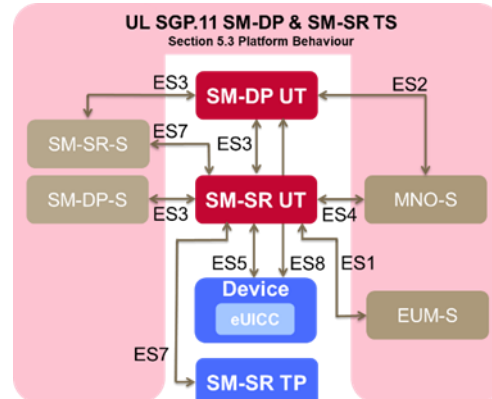- GSMA SGP.11 test specification

### Test Suites Available
- UL SGP.11 SM-DP Test Suite
- UL SGP.11 SM-SR Test Suite
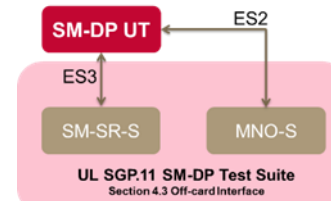


**Section 4.3 SM-DP Under Test**



**Section 4.3 SM-SR Under Test**



**Section 5.3 SM-DP & SM-SR Under Test**

## UL Conclusion Test Manager

UL GSMA Consumer RSP SGP.23 Subscription Manager Test Suites run on UL Conclusion Test Manager (CTM). CTM is a user-friendly test management application consisting of a test engine with the ability to create and send messages in many variations via (several) interfaces to the system under test. A cutting-edge test management system to manage the test process providing flexibility in configuring the test execution and reporting results.