

UL GSMA M2M SGP.11 Subscription Manager test suite

Overview of UL GSMA M2M SGP.11 Subscription Manager Test Suite

UL GSMA M2M SGP.11 Subscription Manager Test Suite helps companies in the M2M industry such as mobile network operators (MNOs), Subscription Manager vendors and eUICC manufacturers looking to test their SM-DP and SM-SR.

Benefits

UL GSMA M2M SGP.11 Subscription Manager Test Suite enables you to validate that the SM-DP and the SM-SR comply with the GSMA's SGP.11 Remote Provisioning Architecture for Embedded UICC Test Specification.

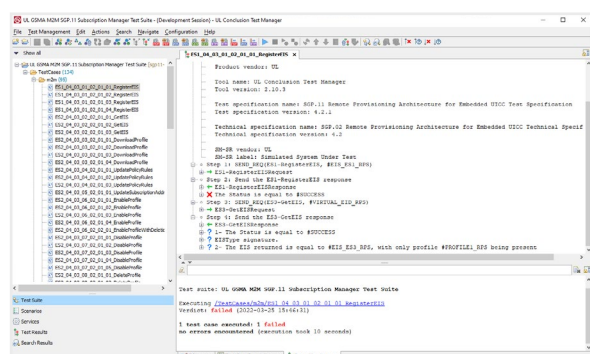
Features

UL GSMA M2M SGP.11 Subscription Manager Test Suite consists of several simulation modules used to test the SM-DP or the SM-SR.

- Full simulation of GSMA SGP.01 and SGP.02 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
- Support for testing GSMA SGP.02 v3.3 and v4.2 compliant Subscription Managers

Key benefits

- Complete 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, 4A and ES7 interfaces
- Ensure that SM-DP and SM-SR comply with GSMA's SGP.01 architecture, SGP.02 implementation and SGP.11 test specifications
- Support for WS-security
- Automated report generation
- Reduce your time to market



Specifications

Supports

- Automated and manual testing
- Synchronous and asynchronous message flows
- XML, SOAP web service APIs, secure channels SCP03, SCP03t, SCP80 and SCP81
- Comprehensive reporting

Tested GSMA ES Interfaces

- ES1: (EUM to SM-SR) registers 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 perform Profile Management and Platform Management
- ES3: (SM-DP to SM-SR) allows link establishment for Profile Management and Platform Management activities
- ES4: (MNO to SM-SR) allows the MNO to perform Profile Management, Platform Management and eUICC management during SM-SR change
- ES4A: (MNO to SM-SR) allows the MNO to perform Profile Management for configuring M2M SP authorizations and Operator notifications
- ES7: (SM-SR to SM-SR) enables new SM-SRs to request new key sets for creation in the ISD-R for the EID as part of an SM-SR change

Covers

- Profile Management procedure testing
- Interface Compliancy testing for Off-card Interfaces in SGP.11 Section 4.3 and Platform Behavior per SGP.11 Section 5.3
- Nominal and error test sequences for functional SM-DP and SM-SR testing
- Support for custom certificate chains

UL Conclusion Test Manager

UL GSMA M2M RSP SGP.11 Subscription Manager Test Suite runs on UL Conclusion Test Manager (CTM). CTM is a user-friendly test management application consisting of a test engine that can create and send messages in many variations via (several) interfaces to the system under test. This cutting-edge test management system manages the test process, providing flexibility in configuring the test execution and reporting results.

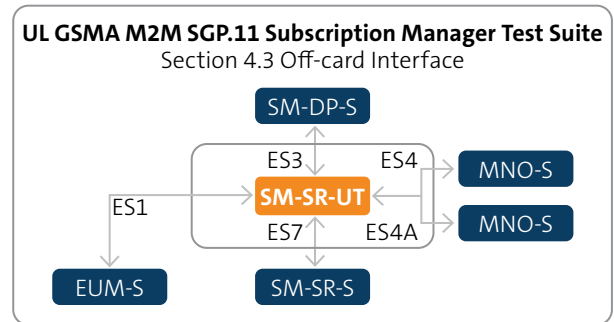
Validations

- GSMA SGP.01 architecture specification
- GSMA SGP.02 implementation specification
- GSMA SGP.11 test specification

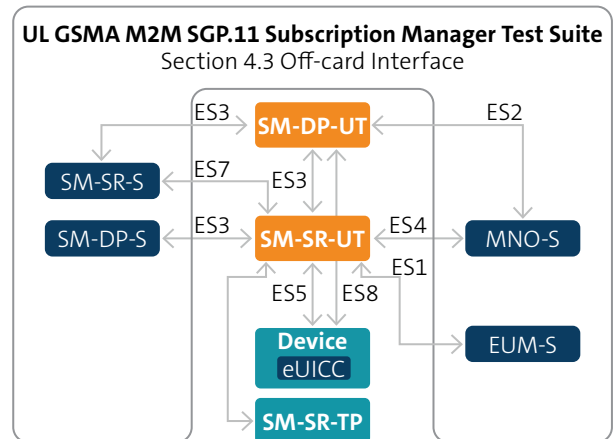
Test environments



Section 4.3 SM-DP Under Test



Section 4.3 SM-SR Under Test



Section 5.3 SM-DP and SM-SR Under Test

For more information, visit [UL.com/gsma-m2m](https://ul.com/gsma-m2m).



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