



# GSMA M2M SGP.11 Subscription Manager Test Suite

Test the functionality of  
the SM-DP and SM-SR.

## Overview.

**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 to test their SM-DP and SM-SR.

Ensure SM-DP and SM-SR comply with GSMA's SGP.01 architecture and SGP.02 implementation specifications using GSMA SGP.11 test specification.

**GSMA M2M SGP.11 Subscription Manager Test Suite** simulates all entities required to fully test the SM-DP and SM-SR.

## How it works.

**GSMA M2M SGP.11 Subscription Manager Test Suite** provides lists test cases applicable for each interface in SGP.02 to test the SM-DP and SM-SR.

Fime can help you at any stage of your project lifecycle.

Define

Design

Deliver

Test



SM-DP and SM-SR  
test suite.

## Key benefits

- Full coverage of SGP.11 Section 4.3 Interface Compliancy and Section 5.3 Platform Behavior test cases for SM-DP and SM-SR nominal and error test sequences.
- Test Individual GSMA ES interfaces on the ES1, ES2, ES3, ES4 and ES7 interfaces.
- Section 4.4 OTA Layer Testing is currently out of scope, but will be added in a future maintenance update.
- Achieve SM-DP and SM-SR certification against GSMA's M2M eSIM SGP.16 Compliance Process.

## Key features

- 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.
- Support for testing GSMA SGP.02 v3.3 and v4.2 compliant subscription managers.

## Specifications.

### 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.

### Use GSMA SGP.11 test specification to validate SM-DP and SM-SR compliance to:

- GSMA SGP.01 architecture.
- GSMA SGP.02 implementation.configuring the test execution and reporting results.

## What's in the box?

- 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.

## Technical specification.

### Conclusion Test Manager.

**GSMA M2M SGP.11 Subscription Manager Test Suite** runs on Conclusion Test Manager.

- Conclusion Test Manager is a user-friendly test management application.
- Conclusion Test Manager consists of a test engine that can create and send messages in many variations via several interfaces to the system under test. It also includes a cutting-edge test management system to manage the entire test process and provides configurable test execution and test results.



## Contact

To learn more about how Fime can help your business:

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