



# GSMA Consumer SGP.23 Subscription Manager Test Suites

Test the functionality of the SM-DP+ and the SM-DS.

## Overview.

**GSMA Consumer SGP.23 Subscription Manager Test Suites** are for companies, such as Mobile Network Operators (MNOs), subscription manager vendors or eUICC manufacturers, who want to test their SM-DP+ or SM-DS.

## Be compliant with GSMA's SGP.23.

The test suites enable you to validate that the SM-DP+ or SM-DS is compliant to GSMA's SGP.23 test specification. Full validation of your implementation can be performed without the need to interface with other entities in the GSMA Consumer architecture.

## How it works.

Fime offer two individual Subscription Manager test suites:

- SGP.23 SM-DP+ Test Suite.
- SGP.23 SM-DS Test Suite.

Both consist of several simulation modules to test the SM-DP+ or SM-DS under test.

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

Define

Design

Deliver

Test



SM-DP+ and SM-DS test suites.

## Key benefits

- Simulates core GSMA Consumer architecture elements.
- Tests individual GSMA ES interfaces.
- Verify SM-DP+ and SM-DS compliance with GSMA's SGP.21 architecture and SGP.22 implementation specifications using the SGP.23 test specification.
- Achieve SM-DP+ and SM-DS certification against GSMA's Consumer eSIM SGP.24 Compliance Process.

## Key features

- Full simulation of GSMA subscription model. procedures performed by all entities in the GSMA Consumer ecosystem.
- Test Individual GSMA ES interfaces with support for testing all functions on the ES2+, ES8+, ES9+, ES11, ES12 and ES15 interfaces.
- Offers full coverage of SGP.23 Section 4.3, 4.5 and 4.6 Interface Compliance and Section 5.3 Platform Procedures test cases for SM-DP+ or SM-DS nominal and error test sequences.

## Specifications.

### GSMA ES Interfaces.

- **ES2+ (operator to SM-DP+)** Used by the Operator to order and manage Profiles.
- **ES8+ (SM-DP+ to eUICC)** The SM-DP+ uses this to load profiles onto the eUICC via SCP03t securely.
- **ES9+ (SM-DP+ to LPDd)** The SM-DP+ and the LPAd use this to secure transport for delivering the bound profile package from the SM-DP+ to the eUICC via HTTP TLS v1.2 and the GSMA's protocol for profile protection.
- **ES11 (LDSd to SM-DS)** Allows the LPAd's LDSd component to retrieve event records for its eUICC.
- **ES12 (SM-DP+ to SM-DS)** Allows any SM-DP+ to issue or remove event registrations on the SM-DS.
- **ES15 (SM-DS to SM-DS)** Allows event registrations and event deletions to cascade from the alternative SM-DS to root SM-DS.

### Use GSMA SGP.23 test specification to validate Subscription Manager compliance to:

- GSMA SGP.21 architecture.
- GSMA SGP.22 implementation.

## What's in the box?

- Interface compliance testing for off-card interfaces.
- Profile ordering and management.
- Profile download and installation.
- Common mutual authentication.
- Notification types and behaviors.
- SM-DS registration, retrieval and deletion.
- Nominal and error test sequences for functional SM-DP+ and SM-DS testing.
- Support for custom certificate chains.

## Technical specification.

### Conclusion Test Manager.

GSMA Consumer SGP.23 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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