



GSMA Interoperability Test Platform

We are ready for real-world use!

21 Oct 2020

BILL & MELINDA
GATES foundation

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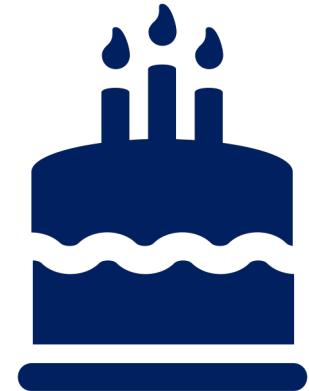


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1 Year anniversary

Celebrate with us at
[GSMA Thrive Asia Pacific!](#)

3 – 5 November 2020





Mobile Money API



GSMA Mobile Money Comparison Study

Why is there a need for the GSMA Mobile Money API Specification? A comparison with other industry standards.

Mobile Money API Community

This space is available to all members of the mobile money ecosystem who are interested in collaborating on common APIs.

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GSMA Thrive Asia Pacific

The open session presents the state of the API industry in Asia Pacific and addresses the value of open APIs to build the ecosystem.

STAY TUNED ON @GSMAMobileMoney



Merchant Payments: QR Code

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QR Code Merchant Payments

QR Code Merchant Payments.
A growth opportunity for
mobile money providers.



QR Code Industry Consultation

The Lab is currently consulting
many Mobile Money Operators
to understand their objectives
and define the next step of
Merchant Payments.

STAY TUNED ON @GSAMobileMoney



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Interoperability Test Platform



We are ready for real word use!

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New features & Continued Stability

Design and implemented 5 new features without breaking changes.



Platform growth

The number of users growth 68% in the last 3 months achieving 103 users.



Schema Certification on the way!

The scope of new features to support schema certification is defined and we are ready to start developing it.

What is the Interoperability Test Platform?

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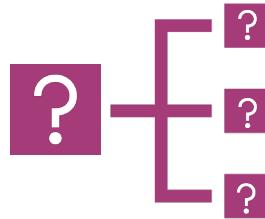
The Interoperability Test Platform is a facility where:

1. **Service providers** can test how to connect to mobile money providers and the wider mobile money ecosystem using the **GSMA Mobile Money API**
2. **Mobile money providers / other DFS players** can test how to connect to a central hub (i.e. Mojaloop) and the wider ecosystem using the **Mojaloop API**



Why to use the Interoperability Test Platform?

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- Enable the industry players to use two key technologies for **financial inclusion**
- Support the **Mobile Money** industry to test interoperability technologies
- Facilitate the **ecosystem expansion** for financial inclusion

Why we build it?



- Validate your system by connecting to a **real-world** interoperability ecosystem
- Build **independently** from the core interoperability software to gain more confidence in your test results
- **Plug-and-play** use
- **Free** and **open-source**

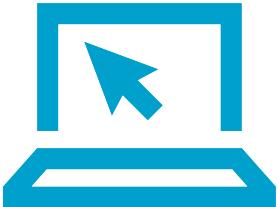
Why to use?



Interoperability Test Platform

New Features and Use Cases

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Developer features

- Message Log

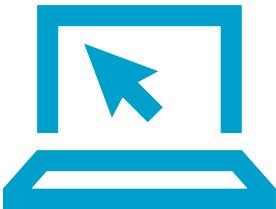
Message Log			
URL	MATCHED STEP	DATE	DATA
PUT /transfers/23ae8bcb-0ef1-424f-b2c1-9a9e3585e2b9	P2P Accepted - Receive / Disclosing, Step 8	3 days ago	<button>Request</button>
POST /quotes	P2P Accepted - Receive / Disclosing, Step 1	3 days ago	<button>Request</button>
POST /transfers	P2P Accepted - Receive / Disclosing, Step 5	3 days ago	<button>Request</button>
PUT /quotes/ba2a764f-41d0-4b47-a774-dfe51012b04a	P2P Accepted - Receive / Disclosing, Step 4	3 days ago	<button>Request</button>
PUT /quotes/ba2a764f-41d0-4b47-a774-dfe51012b04a	P2P Accepted - Receive / Disclosing, Step 3	3 days ago	<button>Request</button>
POST /quotes	P2P Accepted - Receive / Disclosing, Step 2	3 days ago	<button>Request</button>
PUT /transfers/23ae8bcb-0ef1-424f-b2c1-9a9e3585e2b9	P2P Accepted - Receive / Disclosing, Step 7	3 days ago	<button>Request</button>



Interoperability Test Platform

New Features and Use Cases

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Developer features

- Message Log
- cURL Generator

The screenshot shows a web browser window titled "Session #2 (MMO2 as a SUT) - X". The URL is <https://staging.interop.gsmainclusivetechlab.io/sessions/3/test-cases/11/test...>. The page displays two test cases:

- PASS Request:** Amount and currency are specified correctly
- PASS Response:** Transaction was successfully accepted

Request

URL	http://mojaloop.staging.interop.gsmainclusivetechlab.io/quotes
Method	POST
Headers ▾	(8) params
Body ▾	(8) params

Response

Status	202
Headers ▾	(5) params
Body ▾	(0) params

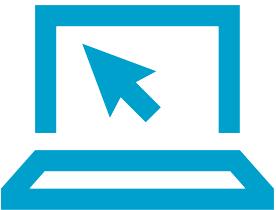
A "Copy cURL" button is located in the top right corner of the Request section.



Interoperability Test Platform

New Features and Use Cases

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Developer features

- Message Log
- cURL Generator
- Editable Test Sessions

The screenshot shows a web browser window titled "Session #2 (MMO2 as a SUT)" with the URL <https://staging.interop.gsmainclusivetechlab.io/sessions/3/edit>. The page is titled "Update session info". It contains several input fields and a sidebar for "Test Cases".

Name: Session #2 (MMO2 as a SUT)

Description: Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and

SUT: Mobile Money Operator 2

SUT URL: <http://mmo2.staging.interop.gsmainclusivetechlab.io/>

Environments: (Listed below)

Test Cases:

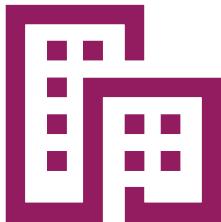
- P2P Happy flow
 - P2P Accepted - Receive / Disclosing
 - P2P Accepted - Receive / Non-Disclosing
 - P2P Accepted - Send / Disclosing
 - P2P Accepted - Send / Non-Disclosing
 - P2P Accepted with Account Lookup - Receive / Disclosing
 - P2P Accepted with Account Lookup - Receive / Non-Disclosing



Interoperability Test Platform

New Features and Use Cases

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Admin features

- Message Log

The screenshot shows a web browser window titled "Interoperability Test Platform" with the URL <https://staging.interop.gsmainclusivetechlab.io/admin/message-log?page=17>. The page displays a table of log entries:

Method	Path	Status	Created
POST	/transfers	P2P Accepted - Receive /	3 days
PUT	/transfer/6679e625592		
POST	/quotes		
GET	/favicon.ico		
GET	/sessions		

Below the table, it says "Showing 241 entries". To the right, there is a detailed view of a single log entry:

Exception	Unable to find a session with id "4". Please check the request URL.
Inbound URL	http://staging.interop.gsmainclusivetechlab.io/session
Session ID	-
Source Component ID	-
Target Component ID	-
Target Path	-

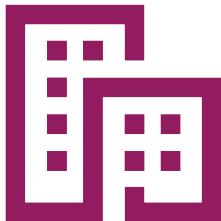
At the bottom right, there are navigation buttons labeled "16" and "17" with arrows, and a "Next" button.



Interoperability Test Platform

New Features and Use Cases

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Admin features

- Message Log
- User Group Management
- Test Case Creator Role

The screenshot shows a web browser window titled 'Update group - Interoperability'. The URL in the address bar is <https://staging.interop.gsmainclusivetechlab.io/admin/groups/1/edit>. The page has a light gray background with a white main content area. At the top center, it says 'Update group'. Below that is a 'Name' field containing 'Little HQ'. Underneath is an 'Email Filter' field containing '@littlehq.uk' and 'clittle@gsma.com'. A note below the filter says 'Only users whose email matches these filters will be eligible to join the group'. There is also a 'Description' field which is currently empty. At the bottom right are two buttons: a red 'Cancel' button and a red 'Update' button.



Interoperability Test Platform

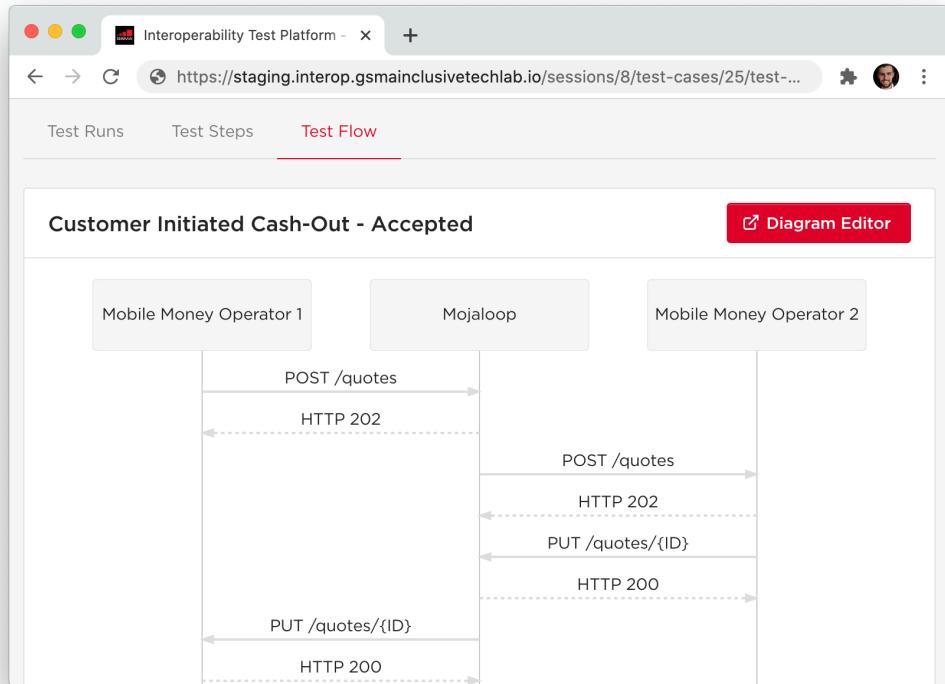
New Features and Use Cases

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New Use Cases

- Customer Initiated Merchant Payment
- Customer Initiated Cash-Out

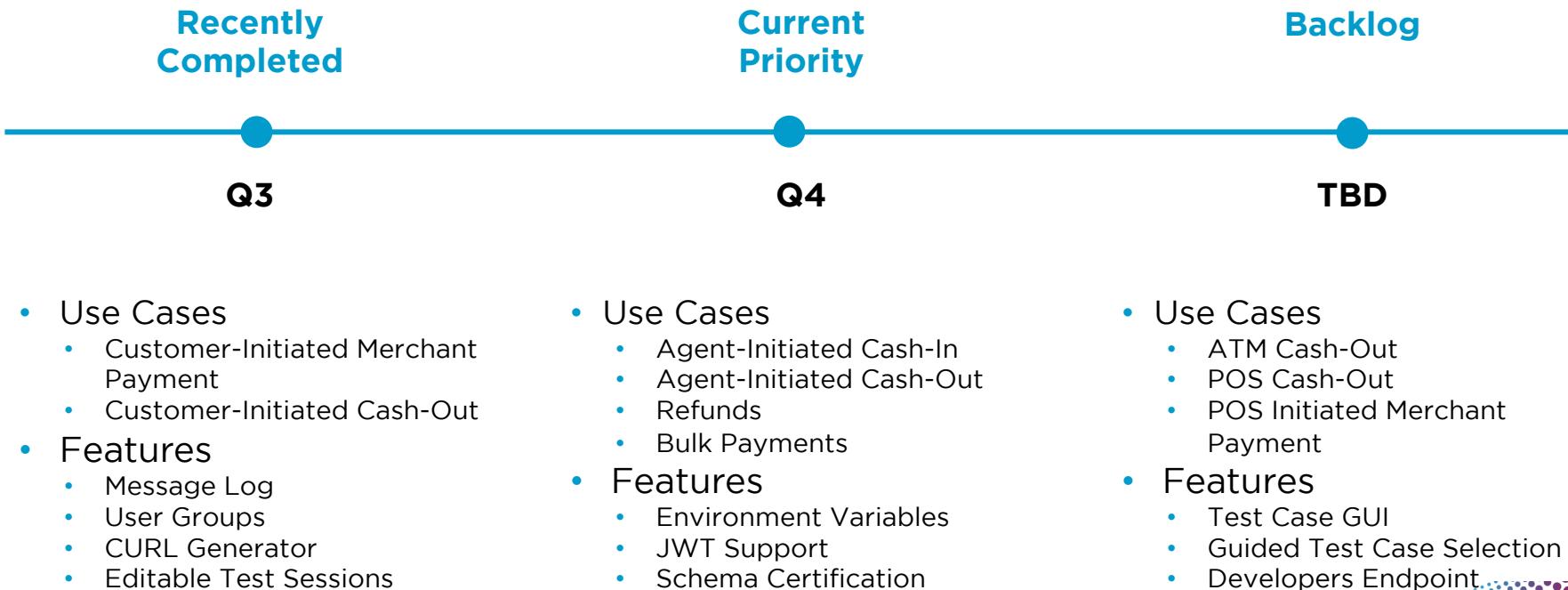




Interoperability Test Platform

Roadmap

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Join the Platform
bit.ly/itp_moja