



Currency Conversion Workstream Update

Product Council

Workstream Progress



- ✓ Detailed Design
- ✓ Discovery Component Changes
- ✓ Fx Quoting Service Component Changes
- ✓ Fx Transfer Services Changes
(ML API Adapter, Notifications, Prepare, Fulfil, Position, Timeout Handlers)
- ✓ Cyril Implementation
- ✓ Mojaloop Connector Enhancements
- ✓ Net settlement changes
- ✓ Golden Path Test collection Extensions
- ✓ Hub Reports
- ✓ Payment Manager UI update to support
 - Payer DFSP
 - Payee DFSP
 - FXP

Extensions to Golden Path Test Collection



[FX Test collection](#) is part of the golden path test

[Net Settlement tests](#) on FX transfers

New default hub reports



DRPP Transaction Report



For Regional Hub:
Total Transactions: 47

Transaction ID	Date	Payer Institution	Payee Institution	Conversion Institution	Send Amount	Send Currency	Receive Amount	Receive Currency	Status
7797c7c-b44c-4251-b8a1-ac412980385	Tue, 08 Oct 2024 07:58:02 GMT	airtelzambia (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	2.0000	ZMW	103.0000	MWK	COMMITTED
0b67b4b0-2f66-4337-8a0b-8a030202059	Tue, 08 Oct 2024 07:38:12 GMT	airtelzambia (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	2.0000	ZMW	103.0000	MWK	COMMITTED
6308a9d3-f161-4a6f-a6f0-b87f79b02a1	Tue, 08 Oct 2024 07:12:19 GMT	test-zmw-dfip (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	4.0000	ZMW			
2a62c4d0-1b17-4d6a-ad06-69d88b0c959	Tue, 08 Oct 2024 06:38:39 GMT	test-zmw-dfip (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	3.0000	ZMW			
1197f8cd-09af-48ba-b8a1-ac412980385	Tue, 08 Oct 2024 06:36:36 GMT	airtelzambia (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	2.0000	ZMW			
5c251f88-8a0b-4c32-b8a3-19490a80565	Tue, 08 Oct 2024 05:43:26 GMT	test-zmw-dfip (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	3.0000	ZMW			
58a6c3d7-285b-4940-49a1-501a38548d2	Tue, 08 Oct 2024 05:07:25 GMT	airtelzambia (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	2.0000	ZMW			
3d6d6a08-0780-48b7-c887-7380402020a	Mon, 07 Oct 2024 15:37:20 GMT	airtelzambia (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	2.0000	ZMW			
6a8f0ba7-71a7-46e1-6096-837d1d712d9	Mon, 07 Oct 2024 15:09:37 GMT	airtelzambia (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	2.0000	ZMW			
1476a6d7-cd18-4d86-943a-84769d80006	Mon, 07 Oct 2024 14:58:47 GMT	test-zmw-dfip (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	3.0000	ZMW			
a875a6d8-4322-4d84-a004-23a305176aaf	Mon, 07 Oct 2024 14:47:56 GMT	test-zmw-dfip (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	3.0000	ZMW			
1208a028-405c-40d0-6095-0a670303031	Mon, 07 Oct 2024 14:29:40 GMT	airtelzambia (proxy-zmw)	test-mwk-dfip (proxy-mwk)	test-fip	2.0000	ZMW			

DRPP Transaction Detail Report

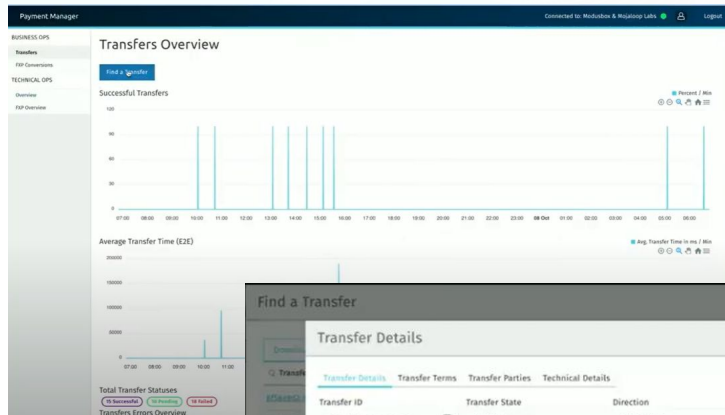


For Regional Hub
Transfer ID: 7797c7c-b44c-4251-b8a1-ac412980385
State: COMMITTED

[View all Transactions](#)

Transfer Description	Payer Details
At Tue, 08 Oct 2024 07:58:02 GMT 2.0000 ZMW was transferred from airtelzambia to test-mwk-dfip who received 103.0000 MWK. airtelzambia was represented by proxy-zmw who was debited by 2.0000 ZMW. test-mwk-dfip was represented by proxy-mwk who was credited by 103.0000 MWK. Conversion was performed by test-fip.	The Payer's identifier 971938765 (MSISDN), and their account is held at airtelzambia allowing transactions in ZMW
Transfer Terms	Payee Details
Transfer Amount 2.0000 ZMW	The Payee's identifier 1666551002 (MSISDN), and their account is held at test-mwk-dfip allowing transactions in MWK
Payee Receive Amount 103.0000 MWK	
Payee DFSP Fee 0 MWK	
Payee DFSP Commission 0 MWK	
Transfer Expiry Tue, 08 Oct 2024 07:59:04 GMT	
Transfer Settlement Batch Not yet settled	
Currency Conversions Terms	Technical Details
Send Amount 2.00 ZMW	Transaction ID 7797c7c-b44c-4251-b8a1-ac412980385
Receive Amount 103.00 MWK	Position Changes
Conversion Charge Amount 0.10 ZMW	currency
Conversion Charge Amount 5.15 MWK	Previous Position
Exchange Rate 0.0194 (1.9/7.85)	New Position
Conversion Expiry Tue, 08 Oct 2024 07:56:09 GMT	Change
Conversion Settlement Batch Not yet settled	

Payment Manager



Find a Conversion

Conversion Details

Conversion Details	Conversion Terms	Technical Details
Determining Transfer ID	Conversion ID	Conversion State
651ac53a-e9a8-4275-b6...	6a109412-a208-459e-b1...	RESERVED
Source Amount	Source Currency	Conversion Request ID
2	ZMW	8225a98c-65aa-42cf-a5...
Target Amount	Target Currency	Conversion Submitted
103	MMK	2024-10-08T08:06:15.426Z
Conversion Type	Conversion Institution	
Payee DFSP Conversion	airtelzambia	

FXPs can see conversion details

Transfer Details

Transfer Details	Transfer Terms	Transfer Parties	Technical Details
Transfer ID	Transfer State	Direction	Transaction Type
6F5B4942-6F43-4736-BE...	PENDING	OUTBOUND	TRANSFER
Send Amount	Send Currency	Date Submitted	
2	ZMW	2024-10-08T08:06:15.426Z	
Receive Amount	Receive Currency	Conversion Submitted	
2	MMK		
Sender Details	Recipient Details	Recipient Currencies	Recipient Institution
MSJSDN 977938765	MSJSDN 16640597002	MMK	test-mmek-dfsp
Conversion Type	Conversion Institution	Conversion State	
Payee DFSP Conversion	test-fxp		

DFSPs can see conversions with each transaction

Transfer Details

Transfer Details	Transfer Terms	Transfer Parties	Technical Details
Transfer ID	Transfer State	Quote Amount	Quote Currency
6F5B4942-6F43-4736-BE...	PENDING	2	ZMW
Transfer Amount	Payee Receive Amount	Payee DFSP Fee	Payee DFSP Commission
103			
Source Amount	Target Amount	Source Charges	Target Charges
2	103	0.01	5.00
Source Currency	Target Currency	Exchange Rate	Expiry Date Time
ZMW	MMK	91.00000	2024-10-08T08:06:15.426Z

What is next?



End of PI

- Make part of next Mojaloop Release
- Finance Portal Enhancements to support currency conversion

Future

- Mojaloop Connector support for amount type RECEIVE
- Multiple FXP Support
- Payee Conversion
- Reference Currency Conversion
- Bulk Conversion
- Get /services
- Continuous Gross Settlement support for FX transactions