



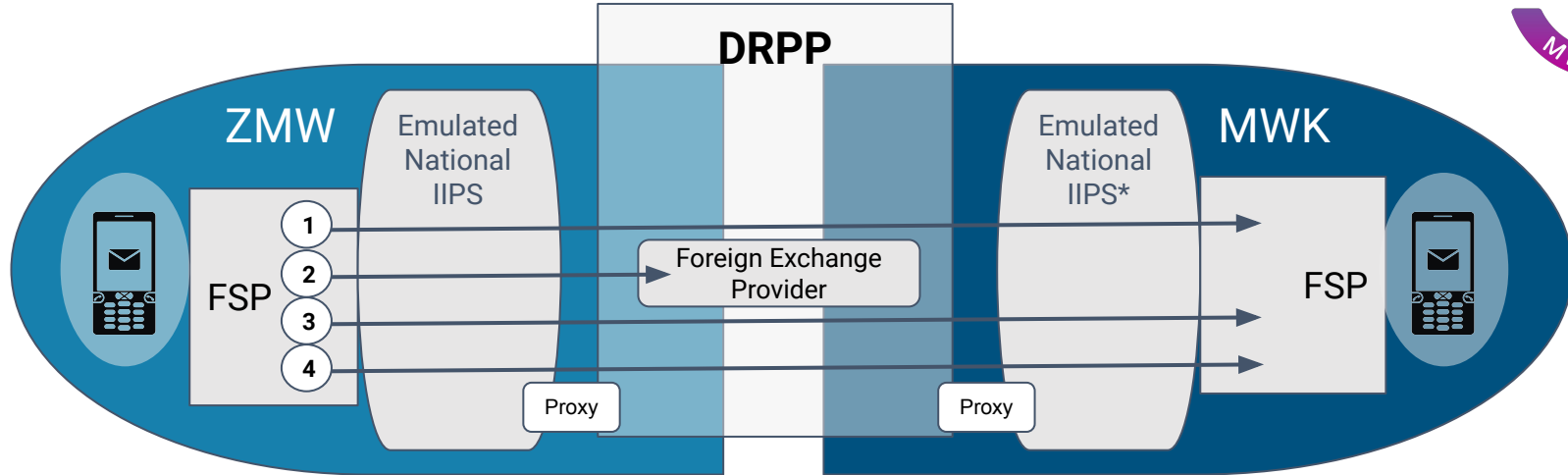
Inter-scheme & Cross-currency

Mid PI Review

Progress and where to next?

	Current	End PI 24 delivery	Roadmap
Inter-scheme	<ol style="list-style-type: none">1. Proxy Service2. On demand discovery3. P2P4. Cross currency P2P5. Cross scheme certificate exchange6. IaC support7. Interscheme Golden Path test collection8. Transaction Detailed Report		<ol style="list-style-type: none">1. Get Services2. Proxy timeout handler3. Request To Pay4. Bulk5. PISP
Currency Conversion	<ol style="list-style-type: none">1. Payer DFSP initiated conversion2. FXP support3. Cross currency P2P SEND4. Multilateral net settlement support for cross currency transactions5. IaC support6. Golden Path test collection enhancements7. Transaction Detailed Report	<ol style="list-style-type: none">1. Mojaloop Connector support for multiple FXPs2. CGS support for FX3. Financial Portal support for cross currency transfers4. Support for RECEIVE amount types	<ol style="list-style-type: none">1. Payee DFSP conversion2. Bulk conversion3. Get Services

How a DRPP Instant Payment works End-to-End?



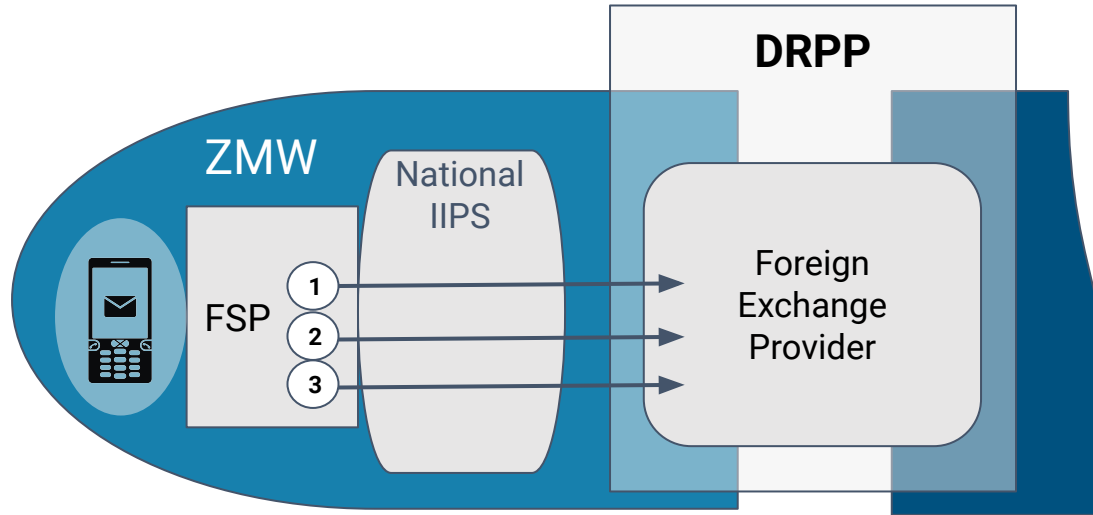
- 1 Confirmation of accounts and currencies
- 2 Agreement of conversion Terms with Foreign Exchange Provider
- 3 Agreement of transfer Terms with Creditor Financial Service Provider
- 4 Transfer & Clear Funds

Inclusive Instant Payment System

Process irrevocable push payments, in less than a minute, at a very low-cost and extremely securely, supporting discovery and agreement phases with a cryptographic lock.

*deployed within the DRPP
Administrative Boundary

How are currencies converted?

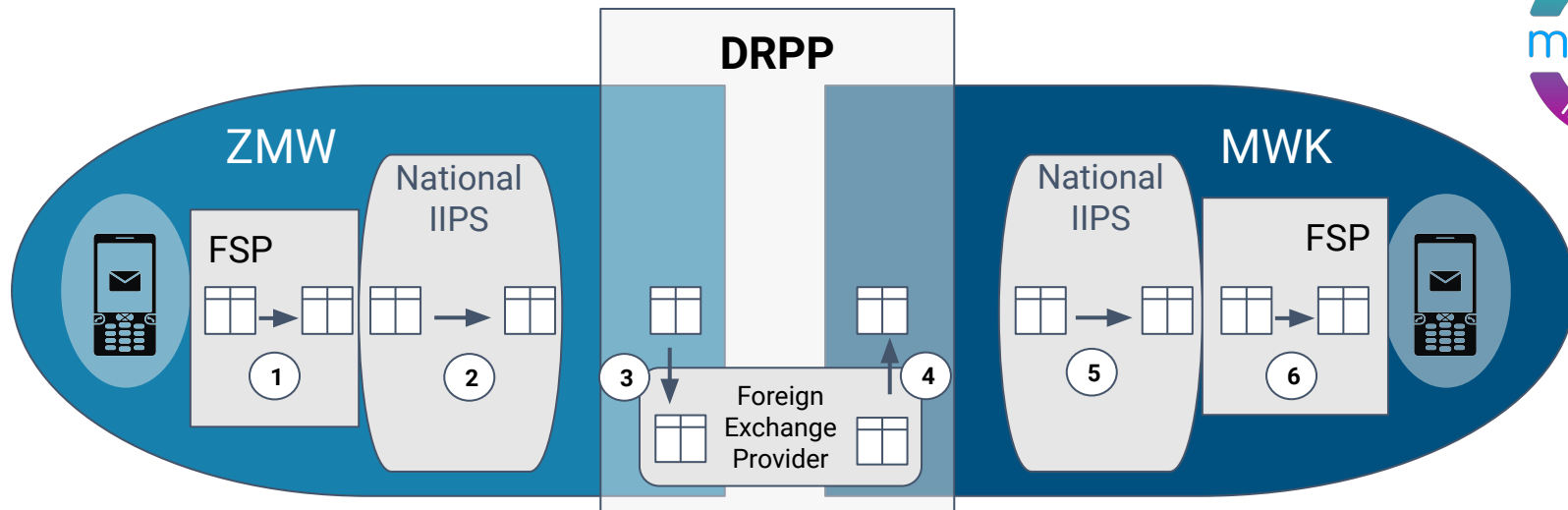


- 1 FSP requests Foreign Exchange Provider Rate and Terms for liquidity cover in destination currency
- 2 FSP agrees to Conversion Terms with Foreign Exchange Provider for liquidity cover
- 3 FXP get notified that the dependent transfer has completed

Competitive Foreign Exchange rates

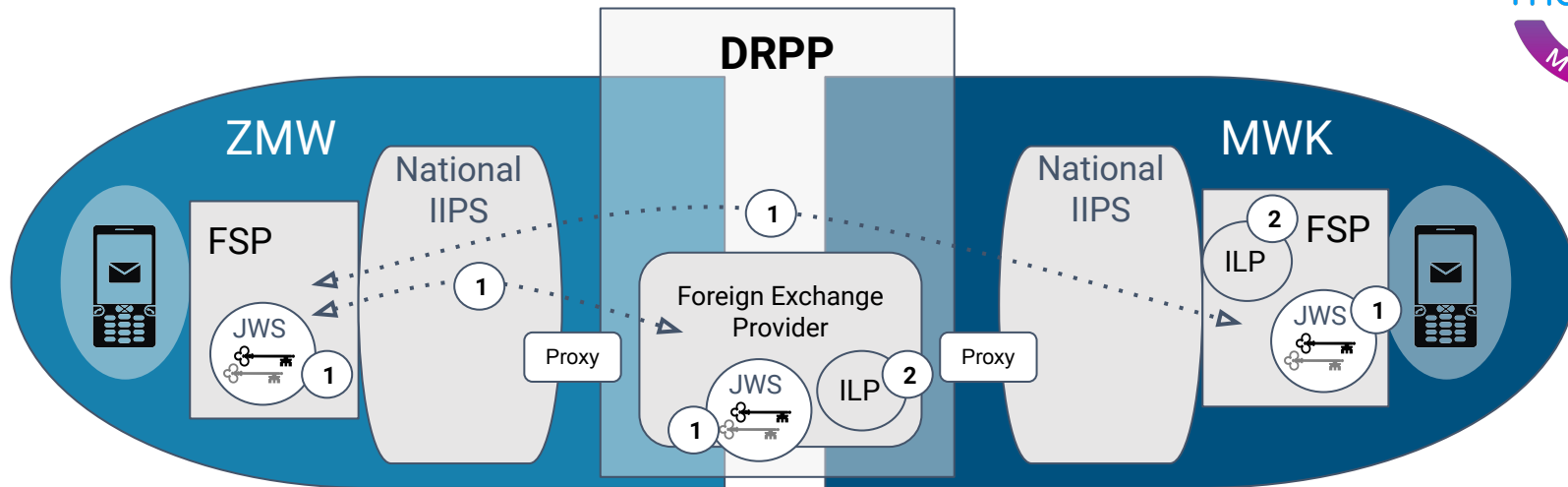
Create a competitive Market place, with settlement done in Central Bank RTGS, reducing the operating complexity and settlement risks for FXPs thereby contributing to lower costs.

How are funds cleared?



- 1 In the Payer FSP, funds are moved from the payer's account into a transfer account
- 2 In the Payer's National Scheme, funds are moved from the Payer FSP's account to the international clearing account
- 3 In the DRPP Scheme, funds are moved from the Source National Scheme Account to the FXP source currency account
- 4 In the DRPP Scheme funds are moved from the FXP target currency account to the Target National Scheme account
- 5 In the Payee's National Scheme, funds are moved from the international clearing account to the Payee FSP's account
- 6 In the Payee FSP, funds are moved from the transfer account into the payee's account

How is Non-Repudiation achieved?



1

Message origin is verified by FSPs and Foreign Exchange Providers.

Transparent Messaging through all connected schemes, enable end-to-end message signing and validation.

2

Cryptographically locked terms of transaction are agreed before funds are committed.

A Proxy services

Facilitate interoperability between various payment schemes that are engaged in the processing of the payment transfer, maintaining the non-repudiation of a transaction and reducing settlement risk through pre-funding.

References

Test Case Reports:

These are the announcements of test reports

1. [Golden Path Tests Report](#)

This test collection is the standard end-to-end functional test collection used to validate Mojaloop functionality. This collection has been enhanced to include tests that test for currency conversion. (Look out for FX Transfer and FX Quote labelled test cases towards the end of the test collection.) The test report shows that all tests are passing.

2. [Interscheme Golden Path Collection](#)

As the interscheme functionality is optional in Mojaloop, this golden path test collection is therefore separate test collection. This collection tests the end-to-end functionality of interscheme as both a payment initiator and a payment receiver scheme. The test reports show that all of these tests are passing.

Participation Tools

1. [Mojaloop Connector](#)

The main participation tool had been enhanced to support all participants in interscheme and currency transfers.

2. [Sdk-standard-components](#)

Changes to shared performance tools components.



Documentation / Specifications

1. [Mojaloop-specification](#)

The Mojaloop API v2.0 has been updated to include the enhancements.

2. [ml-inter-scheme-docs](#)

The interscheme workstream and design documents are updated here.

3. [Currency-conversion](#)

The currency-conversion workstream and design documents are updated here.

Repositories



Core Services

1. [Central-ledger](#)
Changes to transfer core handlers, to support the transfer phase of a transfer.
2. [Central-services-shared](#)
Change to the supporting shared services.
3. [Quoting-service](#)
Changes to the quoting service to support the agreement phase of a transfer.
4. [Account-lookup-service](#)
Changes to the account lookup service to support the discovery phase of a transfer.

Supportive Services

1. [Api-snippets](#)
Changes to the api support layer
2. [mojaloop helm](#)
Changes to the helm deployment file, to include the new enhanced services.
3. [iac-modules](#)
Changes to the Infrastructure of code to enable deployment of these enhanced core services.
4. [testing-toolkit-test-cases](#)
Change to the test collection to support the new test cases.
5. [ml-core-test-harness](#)
Changes to the testing harness, so support the new test cases and enhanced functionality.
6. [reporting-k8s-templates](#)
New reports to showcase the working functionality.
7. [inter-scheme-proxy-cache-lib](#)
Share lib supporting the interscheme affected services.
8. [Inter-scheme-proxy-adapter](#)
Component that is deployed to link schemes to support interscheme enhancements.