UPU - Interconnection Platform UPU-IP overview

December 2022

Centralized system
— Switch for **real-time** message routing
— **Repository** of all payments, **unique** reference in case of discrepancy between connected Posts and partners
— **Central management** of bilateral agreements in BAMS
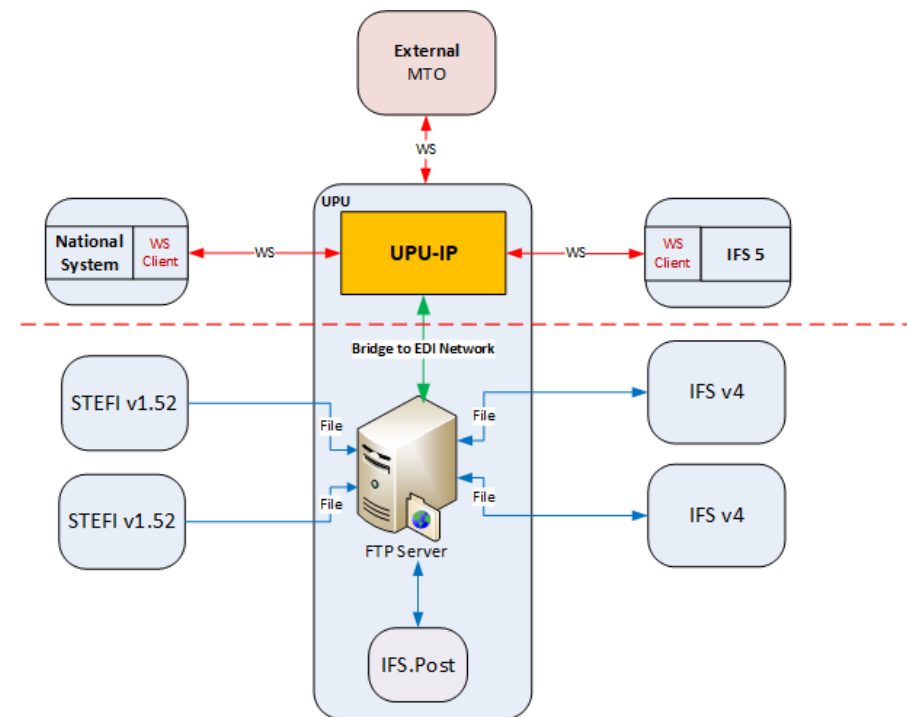
Urgent (instant) service with Web services solution
— Real-time communication
— **Synchronous** protocol for urgent international postal payment services

Payment anywhere facility
— **Client decides** at Post, at a sub-agent of the Post, or at another agent

One-Time connection
— Only **one integration** of further external partners or MTOs to UPU-IP for every Post

Existing add-on services remain available

— **PPS*Clearing**: exchanges over the UPU-IP feed PPS*Clearing to be included in settlement and netting process

— **QCS Finance**: exchanges over UPU-IP feed QCS Finance

— **FEIS**: reference to UPU-IP postal payment identifier possible

Interoperability

— **Converter to former M38 EDI**: bridge between the new UPU-IP and the EDI-FTP platform to convert and transport M38 EDI messages to former postal payments platform based on FTP EDI files and to guarantee exchanges between new and old technologies

— **External systems proxy** (e.g. Forsage): to relay postal payment events to external systems if external system is the reference system (push mode)

UPU-IP WS methods

LoadAgreements
Retrieves list of bilateral agreements with details

GetFxRates
Retrieves valid exchange rates

IssueWithLock
Issue postal payment with lock enabled by default

Issue
Issues a postal payment

BookIDToPayingExternal
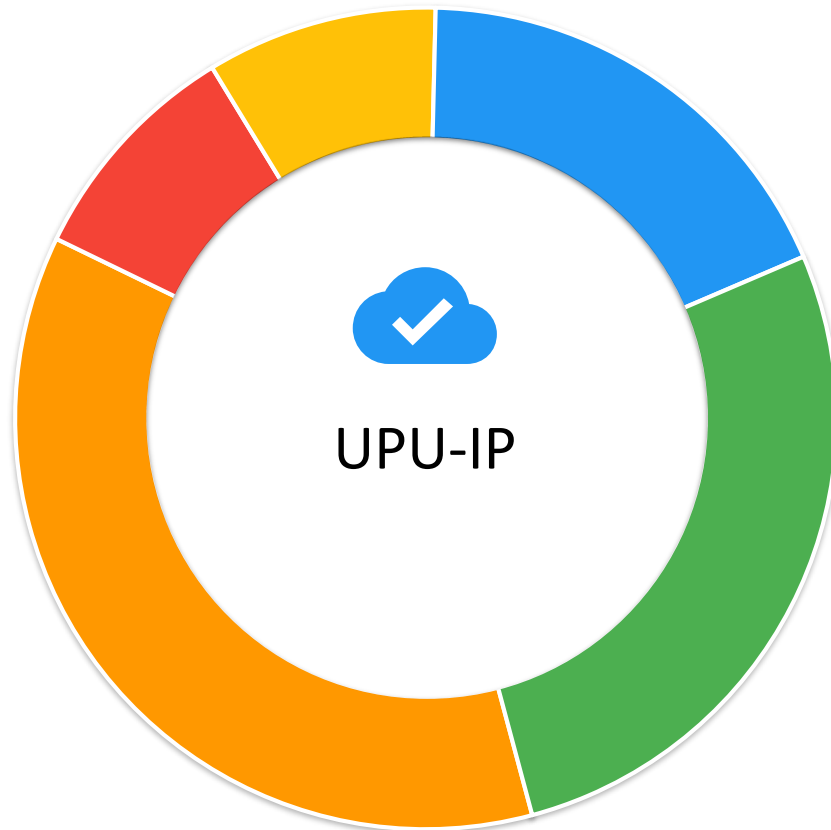Creates (books) a postal payment ID in an external system

Cancel
Cancels an issued postal payment in the UPU-IP

Reimburse
Reimburses the postal payment's customer at issuing party

Lock
Enable lock on postal payment preventing other partners' operations

Unlock
Disable lock on postal payment

UPU-IP

Get
Retrieves payable postal payments

Pay
Pays a postal payment available in the UPU-IP

ReceiveForAccount Retrieves all payable to account postal payments between specified UTC dates

ConfirmPayToAccount
Confirms payment to account

CheckStatus
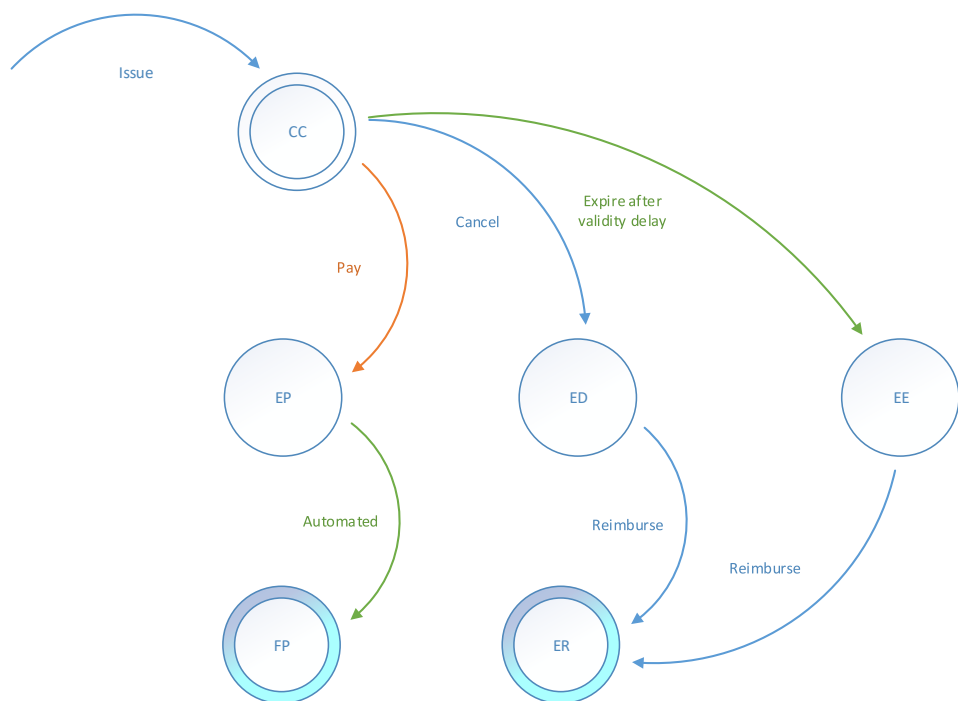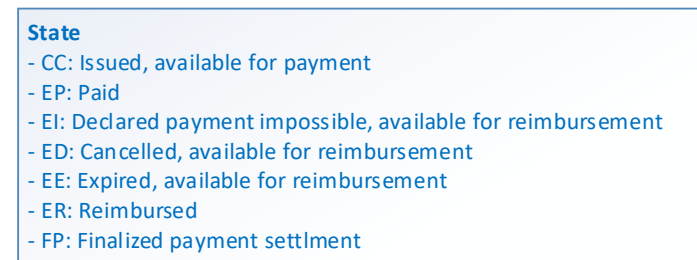Checks and retrieves current status and details of one postal payment

GetByCriteria
Retrieves list of postal payments according to defined criteria (corridor, dates, state, etc.)

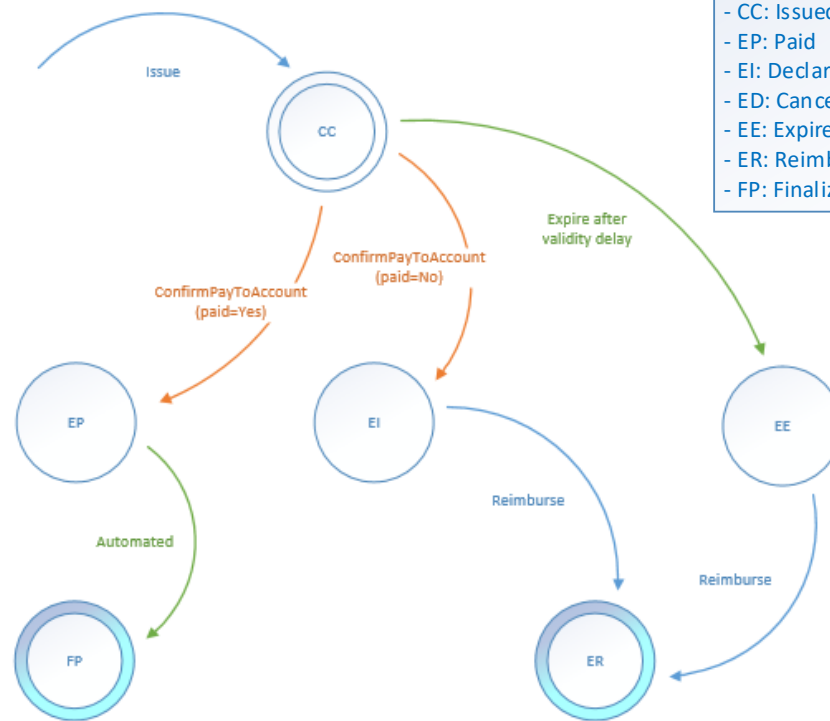Significant differences between the new UPU-IP and the previous FTP gateway solutions (IFS, STEFI, etc.)

— UPU-IP based on **transaction** (postal payment) **operation** (e.g. issue, pay, etc) vs EDI file (with set of past operations)

— **Instant feedback** with UPU-IP: always a Web service operation result vs delay getting EDI file feedback (IFSAck or IFSErr).

— **Single reference** between partners of exchange: UPU-IP is the central database reference instead of two partner systems asynchronous. The UPU-IP is the **system of reference** to be consulted for every operation's validation.

— **Single** point of **definition of bilateral agreements** with BAMS instead of configuration in 2 systems

— International accounting reports can be based on **common** and central system

UPU-IP – Postal payment life cycle

Simplified postal payment life cycle between UPU-IP partners

Activities
- Issuing Organization Activity
- Paying Organization Activity
- Autmoated UPU-IP job

State
- CC: Issued, available for payment
- EP: Paid
- EI: Declared payment impossible, available for reimbursement
- ED: Cancelled, available for reimbursement
- EE: Expired, available for reimbursement
- ER: Reimbursed
- FP: Finalized payment settlment

Payment in cash
Products OR and OT

Payment on account
Products IN and GT

UPU-IP project

1 - Decision phase: requirements gathering and costs estimation

— BAMS and UPU-IP **presentation** : features and services

— UPU-IP **integration**: functional description and comparison to IFS / STEFI

2 - Pre-production integration: to test-validate the solution and train

— Share of pre-production and production **database (IFS) / configuration files (STEFI)** to collect existing configuration details, for migration project

— Establish **communication link**: get security certificate to connect

— Generate **Web Service client proxy** from WS endpoint (URL) for local development teams projects

— **Integration**:

  ▪ Send **WS message** to UPU-IP, receive and process WS response

  ▪ Connect **business logic** of local system to WS calls to integrate UPU-IP traffic into system

  ▪ **Test** campaign of the integration

— **Migration:** tests campaign and training

3 - Production migration

Documentation package
— UPU-IP Fact Sheet
— UPU-IP Integration Guide
— UPU-IP Functional Description Guide
— Online description of services: http://upu.int/api
— UPU-IP State Transition Scenarios

Thank You

Get in touch with us!