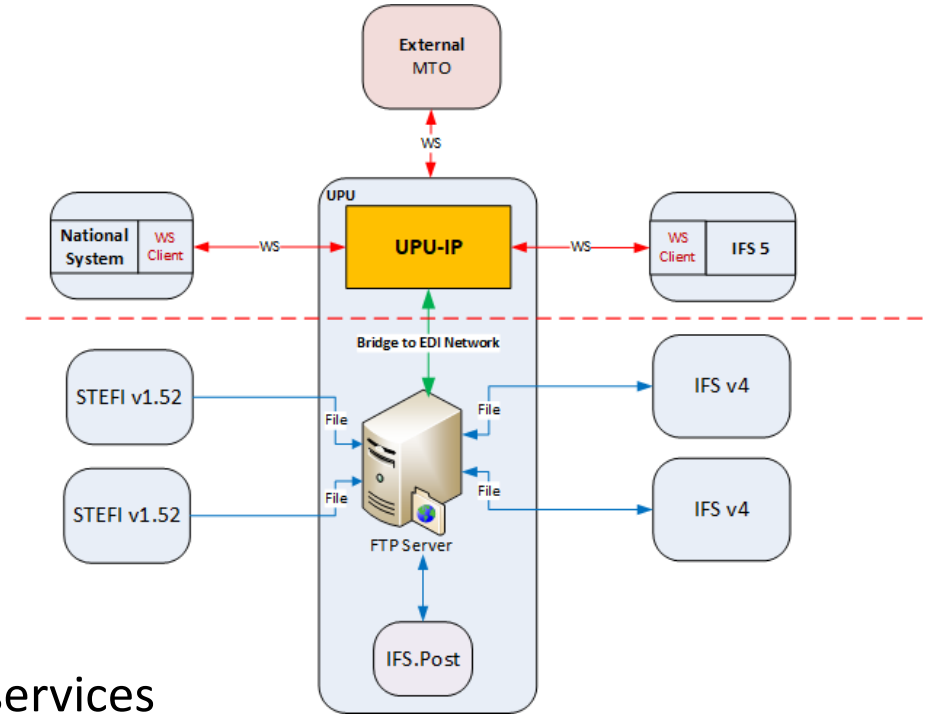
UPU-Interconnection Platform

UPU–IP overview

December 2024

UPU-IP Key Features

UPU-Interconnection Platform



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

UPU-IP Compatibility

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

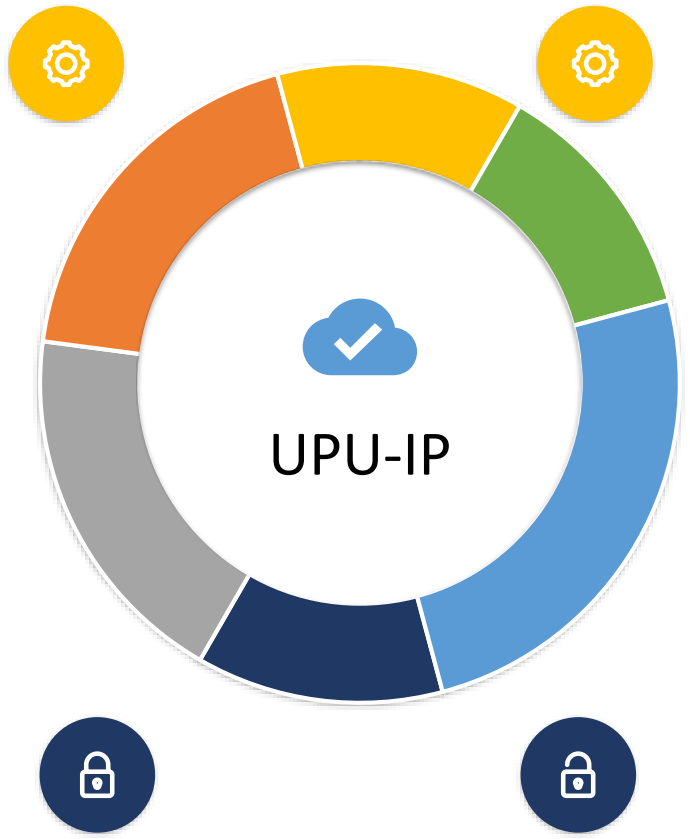
Issue
Issues a postal payment

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

Cancel
Cancels an issued postal payment in the UPU-IP

RequestEdiCancellation
Request cancellation to EDI partner

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

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.)

UPU-IP – Functional changes

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

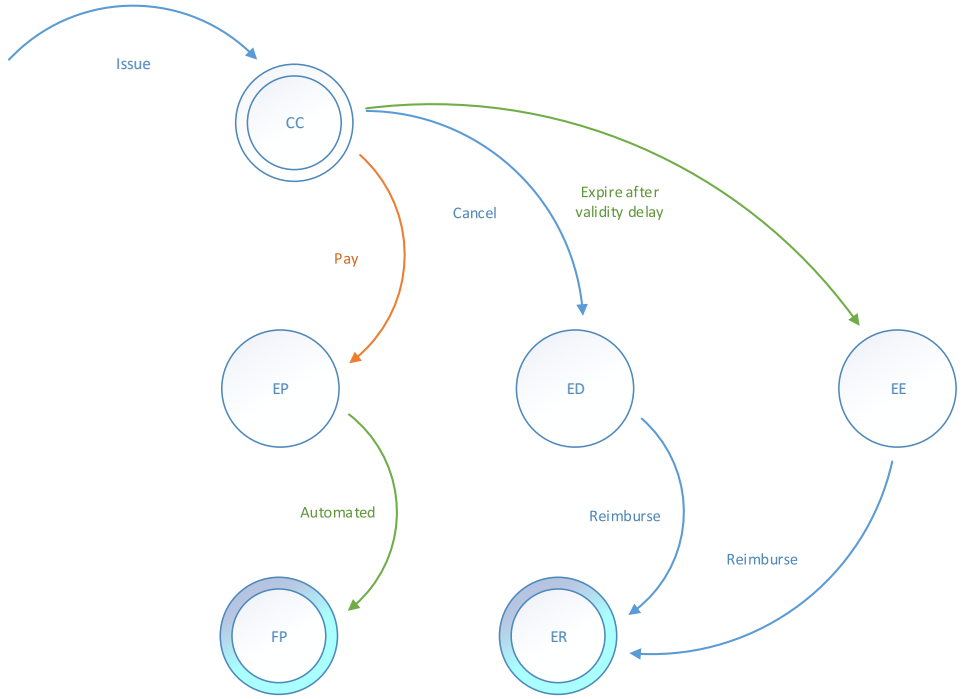
- UPU-IP based on **transaction** (postal payment) **operation** (e.g. issue, pay, etc) vs EDI file (with set of past operations)
- **Instant feedback** with UPU-IP: always a Web service operation result vs delay getting EDI file feedback (IFSAck or IFSErr).
- **Single reference** between partners of 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

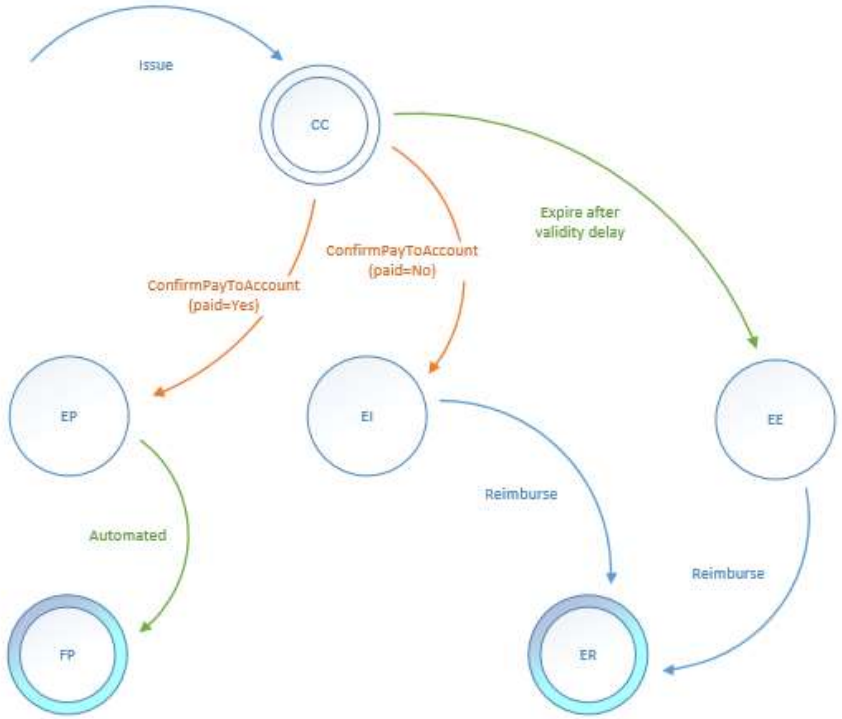


State
- CC: Issued, available for payment
- EP: Paid
- EI: Declared payment impossible, available for reimbursement
- ED: Cancelled, available for reimbursement
- EE: Expired, available for reimbursement
- ER: Reimbursed
- FP: Finalized payment settlment



Payment in cash

Products OR and OT

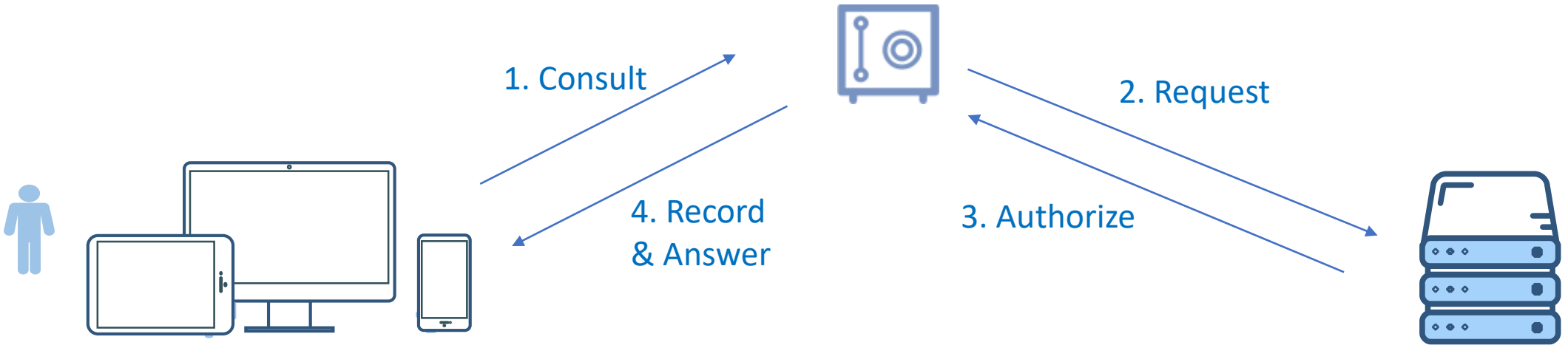


Payment on account

Products IN and GT

UPU–IP project

UPU-IP and national system integration



POS local devices

Workstations, Servers, mobile devices

Trigger POS operations

National system

Including client proxy for UPU-IP

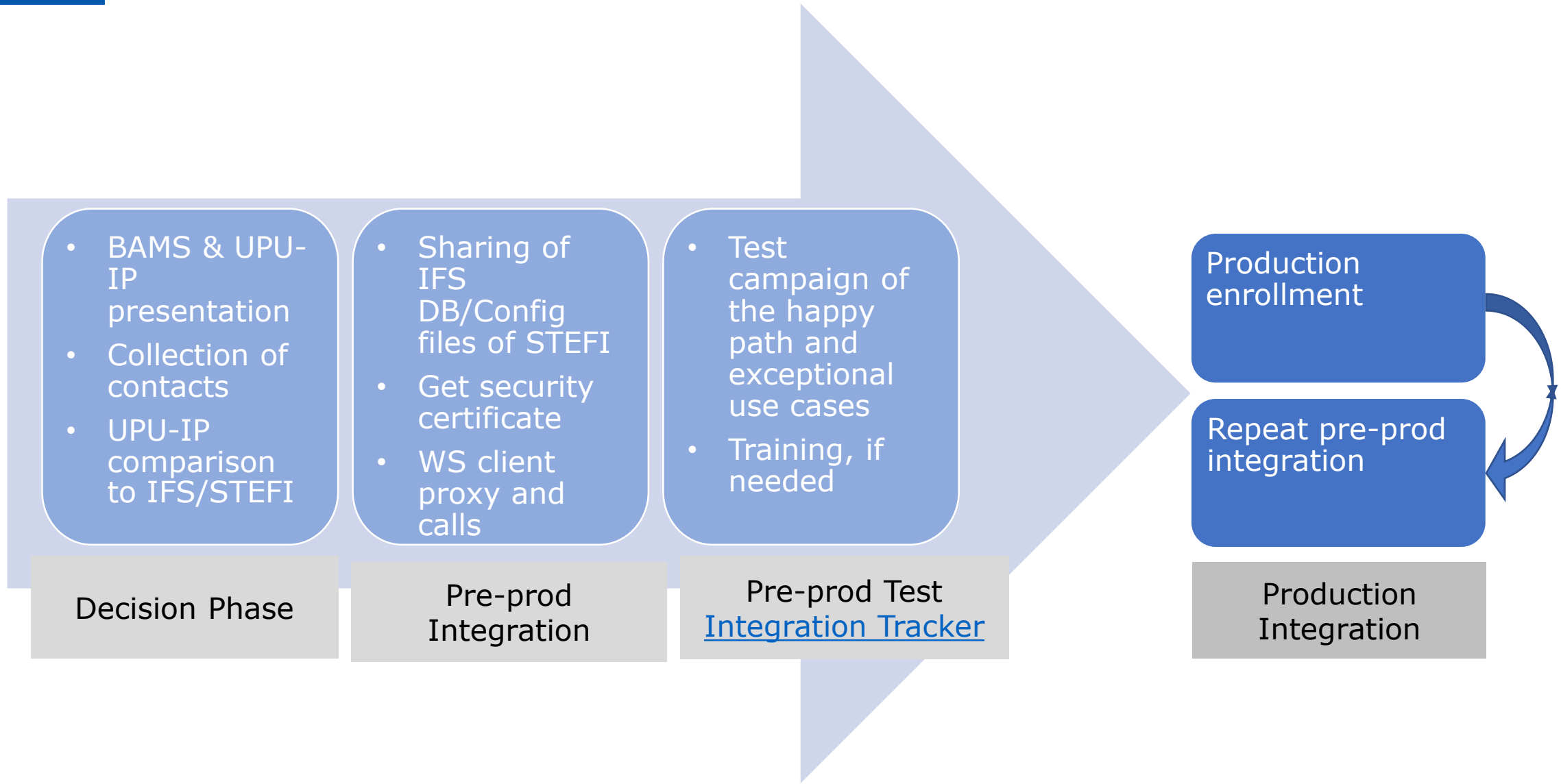
National repository and system

UPU-IP

API with MLS security

Central online system, authorizing operations between partners

UPU-IP Integration/Migration Project



UPU-IP Documentation

Documentation package

- UPU-IP Web page with up-to-date documentation

- 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