



UPU

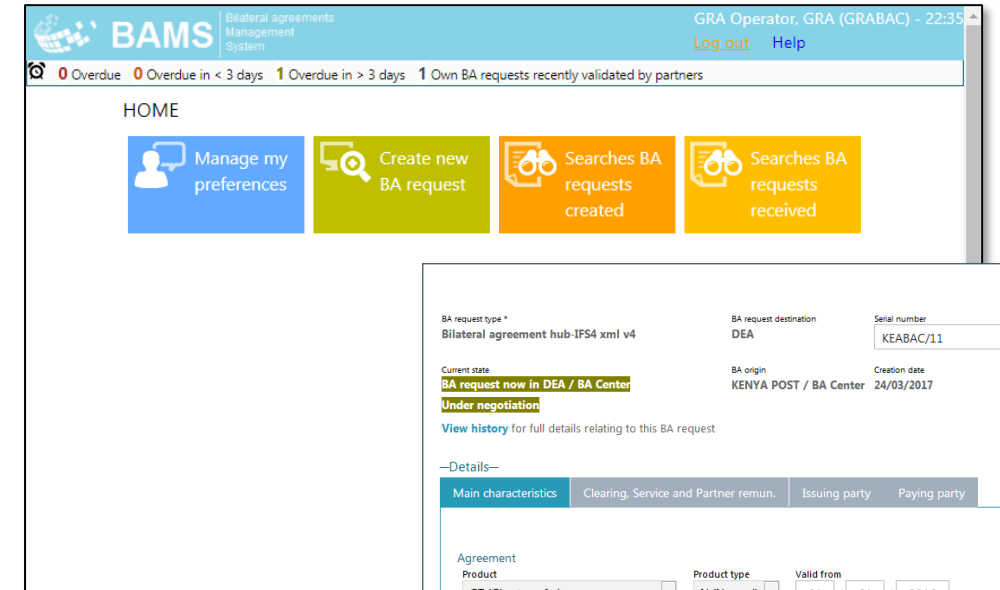
UNION  
POSTALE  
UNIVERSELLE

# BAMS overview

Decembre 2022

## Bilateral Agreement Management System

- **Negotiation tool:** Web based hosted by the UPU
  - **replace** manual email communications (contact repository, automatic email notifications)
  - all **negotiation steps** repository and **history**
  - Support all the **characteristics** of international postal payments and services provided between Designated Operators (DO) systems
  
- **Collaborative negotiation** workflow: sending and receiving DOs both involved in agreement creation process. Both agree with terms before agreement request becomes active



BA request type \*  
Bilateral agreement hub-IFS4 xml v4

BA request destination  
DEA

Serial number  
KEABAC/11

Current state  
**BA request now in DEA / BA Center**  
**Under negotiation**

BA origin  
KENYA POST / BA Center

Creation date  
24/03/2017

[View history](#) for full details relating to this BA request

—Details—

Main characteristics | Clearing, Service and Partner remun. | Issuing party | Paying party

Agreement

Product  
GT (Giro transfer)

Product type  
N (Normal)

Valid from  
01 / 01 / 2016

Valid to  
24 / 03 / 2019

Currency

Transferred  
USD (US Dollar)

Sender's operational  
USD (US Dollar)

Recipient's operational  
ex. EUR

Sender's counter value  
USD (US Dollar)

Recipient's counter value  
ex. EUR

Sender's operational partner  
USD (US Dollar)

Recipient's operational partner  
ex. EUR

EDI Compatibility

EDI version  
XMLVersion4

Max no. events  
100

Service suspended  
No

International Documents

Language  
EN (English)

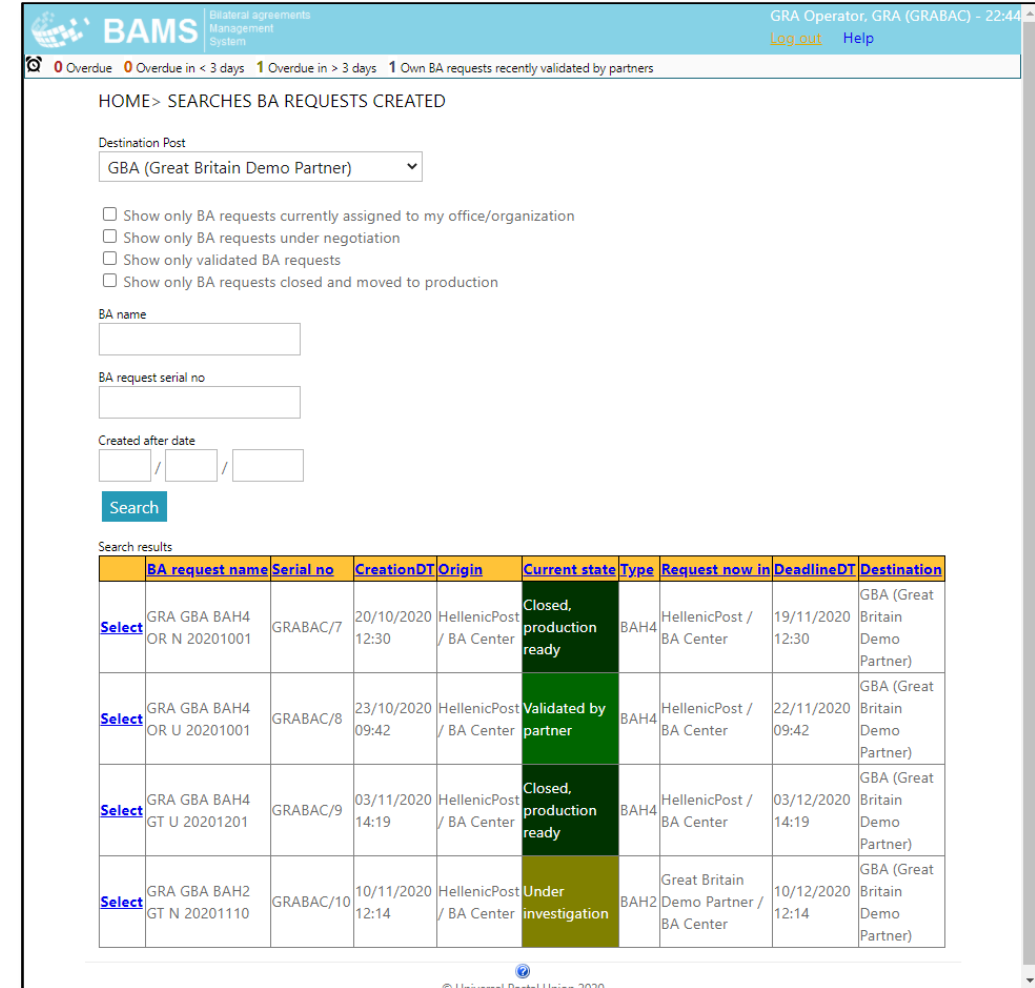
Status

Environment  
TEST

Export for IFS version

## Bilateral Agreement Management System

- **Unique** agreement management **interface** for negotiation and management of production agreements (creation, edition, validation and suspension) to be used by DOs connecting to UPU-IP and their partners of exchanges using IFS or STEFI
- **Common repository** for partners of exchanges to
  - **synchronize** agreement definition in local postal payment systems
  - **validate** postal payment **operations** (emission, payment, reimbursement) from UPU-IP platform
  - **validate EDI** messages in case of exchanges with EDI platform DOs



The screenshot shows the BAMS web interface. At the top, there's a navigation bar with the BAMS logo and the text 'Bilateral agreements Management System'. On the right, it says 'GRA Operator, GRA (GRABAC) - 22:44' and has links for 'Log out' and 'Help'. Below the navigation bar, there's a status bar showing '0 Overdue', '0 Overdue in < 3 days', '1 Overdue in > 3 days', and '1 Own BA requests recently validated by partners'. The main content area is titled 'HOME > SEARCHES BA REQUESTS CREATED'. It features a search form with a 'Destination Post' dropdown menu set to 'GBA (Great Britain Demo Partner)'. There are four checkboxes for filtering results: 'Show only BA requests currently assigned to my office/organization', 'Show only BA requests under negotiation', 'Show only validated BA requests', and 'Show only BA requests closed and moved to production'. Below the form are input fields for 'BA name', 'BA request serial no', and 'Created after date'. A 'Search' button is located below the form. The search results are displayed in a table with the following columns: BA request name, Serial no, CreationDT, Origin, Current state, Type, Request now in, DeadlineDT, and Destination. The table contains four rows of data.

	BA request name	Serial no	CreationDT	Origin	Current state	Type	Request now in	DeadlineDT	Destination
<a href="#">Select</a>	GRA GBA BAH4 OR N 20201001	GRABAC/7	20/10/2020 12:30	HellenicPost / BA Center	Closed, production ready	BAH4	HellenicPost / BA Center	19/11/2020 12:30	GBA (Great Britain Demo Partner)
<a href="#">Select</a>	GRA GBA BAH4 OR U 20201001	GRABAC/8	23/10/2020 09:42	HellenicPost / BA Center	Validated by partner	BAH4	HellenicPost / BA Center	22/11/2020 09:42	GBA (Great Britain Demo Partner)
<a href="#">Select</a>	GRA GBA BAH4 GT U 20201201	GRABAC/9	03/11/2020 14:19	HellenicPost / BA Center	Closed, production ready	BAH4	HellenicPost / BA Center	03/12/2020 14:19	GBA (Great Britain Demo Partner)
<a href="#">Select</a>	GRA GBA BAH2 GT N 20201110	GRABAC/10	10/11/2020 12:14	HellenicPost / BA Center	Under investigation	BAH2	Great Britain Demo Partner / BA Center	10/12/2020 12:14	GBA (Great Britain Demo Partner)

# BAMS Key features

## BAMS Main Functionalities – Negotiation features

- **Contact active partners:** actives DOs in BAMS are actives DOs on the network, with registered contact details
- **Create new agreement request:** initiation of bilateral agreement request by DO issuing postal payment
- **Review created agreement requests:** revision of bilateral agreement requests created by the DO: to revise paying DO's changes and feedbacks, consult and provide additional feedbacks, approve or cancel the request
- **Review received agreement requests:** revision of bilateral agreement requests proposed by other issuing DOs: to propose changes, provide feedbacks, approve or not the request
- **Notifications:** automated email notifications on expected actions: newly received request, requested validated by DO, etc

## BAMS Main Functionalities – Agreements implementation

- **Immediate production implementation for new platform DOs:** DO connected to the UPU-IP benefit from agreement implementation as soon as validated by DOs, without manual actions; UPU-IP consults BAMS
- **Facilitate production implementation for IFS DOs:** avoid manual configuration errors in IFS with the bilateral agreement definition **export to XML** for integration into IFS system
- **Immediate suspension of postal payment emissions when cancelling production agreements** for DOs connected to the UPU-IP: UPU-IP takes immediately into account agreement suspension and prevents emission through UPU-IP API and rejects incoming emissions from IFS/STEFI DOs
- **API** service available for **integration with local system:** each DO can integrate to retrieve list of agreement requests (in production only or all) and automatically update local system repository

## BAMS additional functionalities

- **DO manages its BAMS access** : one local main administrator is defined and he has ability to provide access to additional staff with management of DO's users and privileges  
e.g. DO can create account for backup staff  
e.g. “operator” can view agreement request; “power user” can cancel production agreements
- **UPU monitoring**: options for UPU reporting of overdue agreement requests, expiring agreement with IFS/STEFI DOs
- **Emergencies actions can be instructed to UPU**: in case of fraud, system crash, central settlement suspension, UPU can be instructed to act on production agreements

# BAMS latest enhancements



## Agreement properties revision

- Enhancements to include **latest IFS evolutions**: the agreement properties revisions done in IFS since BAMS creation: unlimited number remuneration ranges, remuneration validation logic (to guarantee agreement compatibility with IFS partners);
- Enhancement on agreements between UPU-IP partners with **automatic clearing compatibility** by default

## Agreement properties addition

- Extend agreement properties to include local **POS settings**: customer services and fees, support definition of remuneration based on customer fees
- **Extend agreement properties** to include orders' new properties for POS: new postal payment details (ID pictures, ID issuing country, nationality) and agreement commercial name

## Enhance national system integration with BAMS API

- Currently: API retrieves agreement requests in production (future, valid or expired agreements) and details
- Proposition:
  - Enhance API to retrieve **agreement requests from any status**
  - Enhance API to **filter** agreement request in production with **valid agreements**
  - **Online documentation** of BAMS API (addition of agreement suspension, change scenario)

## Enhance agreement life cycle

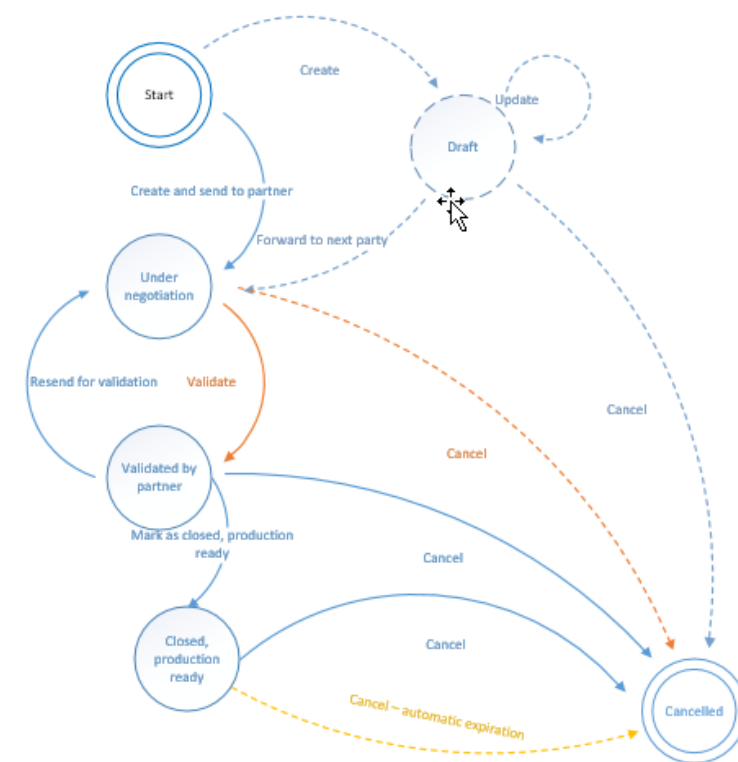
- With handling **draft, copy/duplication events**
  - to facilitate first definition of agreements in BAMS during partner migration to UPU-IP
  - to facilitate multilateral agreement implementation
- With **automated expiration/cancellation of outdated EDI agreements** to facilitate agreement ending (no emissions for cancelled agreements; follow-up actions (cancel, pay, reimburse) possible according to ended agreement conditions)

# BAMS concepts

# BAMS – Agreement work flow

## Agreement request process

- **Create new agreement request and save as draft:** initiation by **issuing DO**: proposition with definition of agreement details concerning issuing DO only and concerning both DOs; saved for local review; not visible by the paying DO
- **Create new agreement request and sending to partner:** initiation by **issuing DO**: prepared for the paying DO revision
- **Validate:** proposition revision by paying DO of the details common to DOs, definition of paying DO details and optional comments
- **Resend for validation (optional):** issuing DO revises, comments and returns again the agreement proposition for paying DO validation
- **Mark as closed:** after paying DO validation, issuing DO also validates the agreement request; it becomes a production agreement; as soon as the agreement valid start date is past the UPU-IP will use the agreement
- **Cancel:** by issuing DO of the agreement request or of the production agreement; emissions through UPU-IP will not be possible for the cancelled agreement



## Key details determine the available agreement properties

- **Product selection:** determines customer's details presentation

—Details—

Main characteristics Clearing Services and fees Remuneration Emission **Payment**

Postal payment details

Local identifier  
Optional

Payment's beneficiary details

Title	Last name	Middle name	First name
Optional	Required	Optional	Optional
Birth date	Birth place	Birth place code	Birth place name
Optional	Optional	Optional	Optional
Birth place country	Nationality	Identification document (ID)	
Optional	Optional	ID issuer	ID expiration date
		Optional	Optional

—Details—

Main characteristics Clearing Services and fees Remuneration Emission **Payment**

Postal payment details

Local identifier  
Optional

Payment's beneficiary details

Title	Last name	Middle name	First name
Optional	Required	Optional	Optional
IBAN	Bank identifier	Bank name	Account number
Optional	Required	Required	Required
Birth date	Birth place	Birth place code	Birth place name
Optional	Optional	Optional	Optional
Birth place country	Nationality		
Optional	Optional		

Cash payment versus payment on account

- **Agreement type selection:** enforces EDI exchange constraints
  - BAH2: exportable agreement to IFS management console; exchanges over FTP platform as EDI file M38 standard version 02
  - BAH4: exportable agreement to IFS management console; exchanges over FTP platform as EDI file M38 standard version 04
  - BAHH: both issuing and paying DOs connect their national system directly to the UPU-IP; no EDI file

**Agreement Key Details**

Enter bilateral agreement characteristics

Receiving org. \*

Product \*

OR (Cash money order)

Agreement between \*

- BAH2 (UPU-IP <-> IFS v2)
- BAH4 (UPU-IP <-> IFS v4)
- BAHH (UPU-IP <-> UPU-IP)

11 / 05 / 2022

OK

## Agreement properties divided in areas

—Details—

Main characteristics

Clearing

Services and fees

Remuneration

Emission

Payment

- **Main characteristics:** defines additional key characteristics to identify the agreement: validity period, currencies in use which impact definition of other areas
- **Clearing:** defines the settlement condition of exchanges under this agreement: how long before finalizing postal payments; inclusion under PPS\*Clearing settlement; maximum authorized amounts
- **Services and fees:** defines the services and attached customer fees to be supported and collected by the issuing DO
- **Remuneration:** defines the conditions how the issuing DO will remunerate the paying DO
- **Emission:** defines the data collected by the issuing DO at emission (and reimbursement) time and shared with paying DO
- **Payment:** defines the data collected by the paying DO at payment time and shared with issuing DO

BAMS – How to start ?

## Steps to start with BAMS

- **Define DO point of contact:** PTC defines in BAMS, DO contact details and create the DO local administrator
- **DO local administrator defines users and privileges:** he may grant additional accesses for local staff
- **Create new agreement requests or revise received requests with DOs migrating to UPU-IP:** revise existing agreements by initiating/validating new agreement requests in BAMS; production agreements will replace existing agreements with DOs migrating to UPU-IP
- **When migrating to UPU-IP, create new agreement requests to restart corridors in UPU-IP:** validity of migrated agreements can be planned in advance; PTC can help on agreement revision
- On request, **integrate with BAMS API** to retrieve agreement definitions: PTC provides authentication security token, API documentation and integration project follow up



## Support materials to start with BAMS

- **BAMS user guide:** detailing BAMS features, user interface and containing API documentation
- **BAMS pre-production platform:**
  - for demonstration
  - new DO test and training
  - API integration tests

PTC has demonstration and test accounts and ability to handle test agreement requests

# Thank You

Get in touch with us!