



USER GUIDE DOCUMENTATION FOR:

## Long-Term Flow-Based Allocation Simulation Platform

JAO • 2 RUE DE BITBOURG L-1273 • LUXEMBOURG-HAMM • LUXEMBOURG

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### Document Versions

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1.0	27.11.2023.	Mihaela Gec Dumbović	Initial version
1.1	19.02.2024.	Zlatko Ofak	Add JAO helpdesk contact info and update views
1.2	28.03.2024.	Zlatko Ofak	Updated configurations page and maintenance mode
1.3	14.04.2025	Zlatko Ofak	Historical order books enabled
1.4	26.11.2025	Ljubica Čakalo	Flow-Based Results XLSX added to 6.2 Overview

## 1 Introduction

This document provides a description of Long-Term Flow-Based Allocation (LTFBA) Simulation Platform web interface which allows users to verify the flow-based capacity parameters and simulate long-term flow-based auctions. Tool is available for all market participants, transmission system operators and JAO users.

Should you require further support, please contact JAO Helpdesk at the following email addresses:

- TSOs: [helpdesk.tso@jao.eu](mailto:helpdesk.tso@jao.eu)
- Market Participants: [helpdesk@jao.eu](mailto:helpdesk@jao.eu)

## 2 Login

By navigating to the LTFBA Simulation Platform web address, user is redirected to login page.

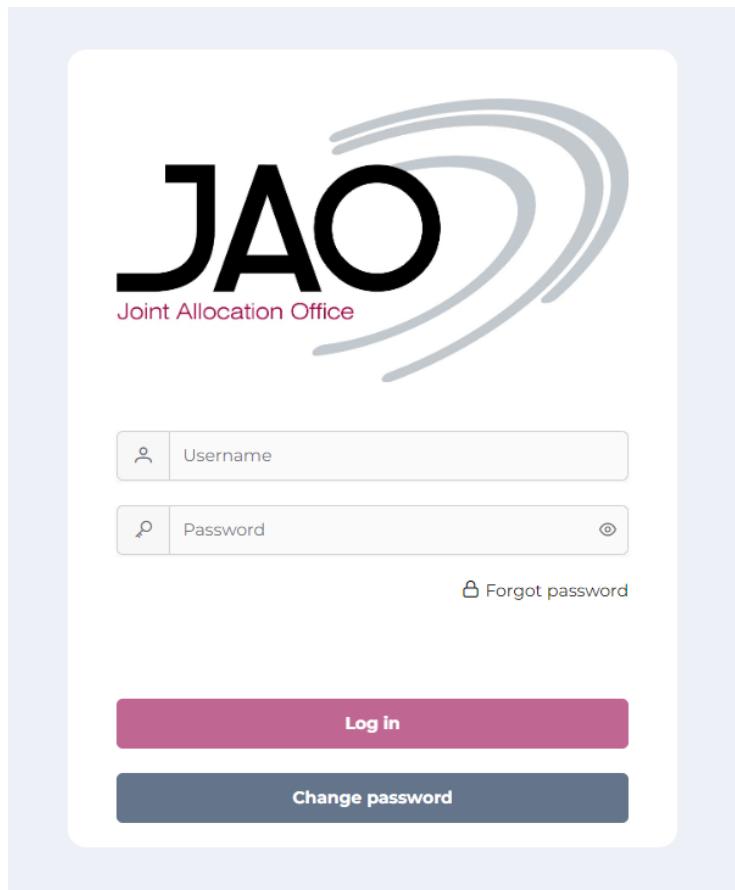


Figure 1 LTFBA Simulation Platform login form

By entering correct credentials, i.e., username and password, tool automatically redirects user to the home page.

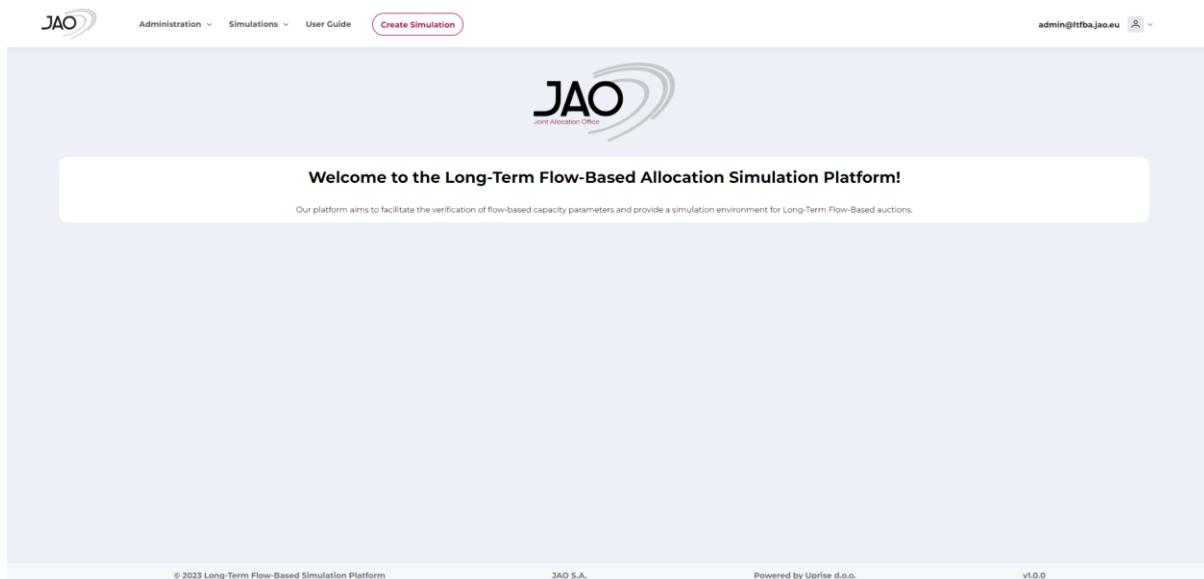


Figure 2 LTFBA Simulation Platform home page

In case Simulation Platform is in maintenance mode, associated warning message will be present on the home page indicating that user are not able to create any new simulations.

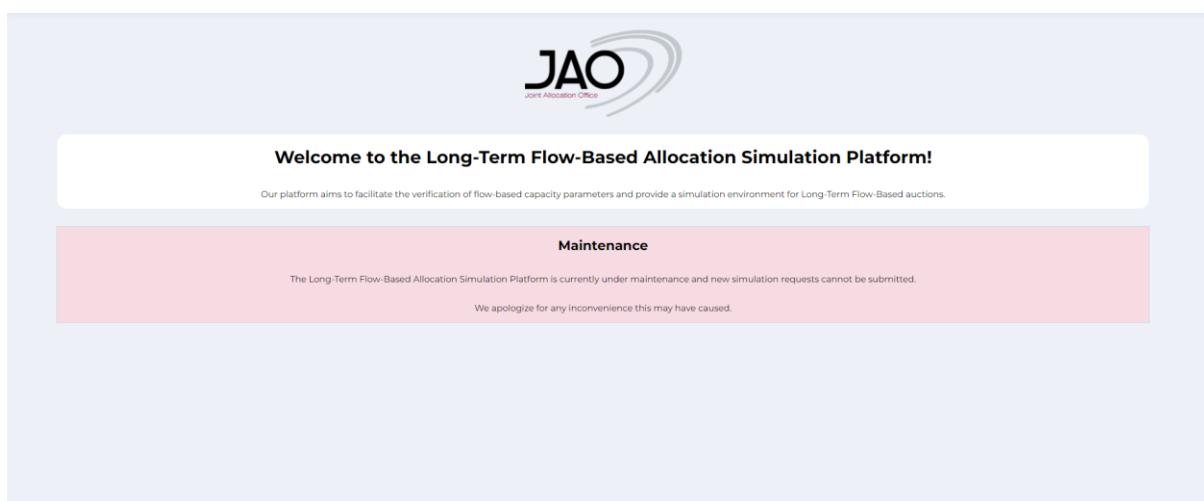
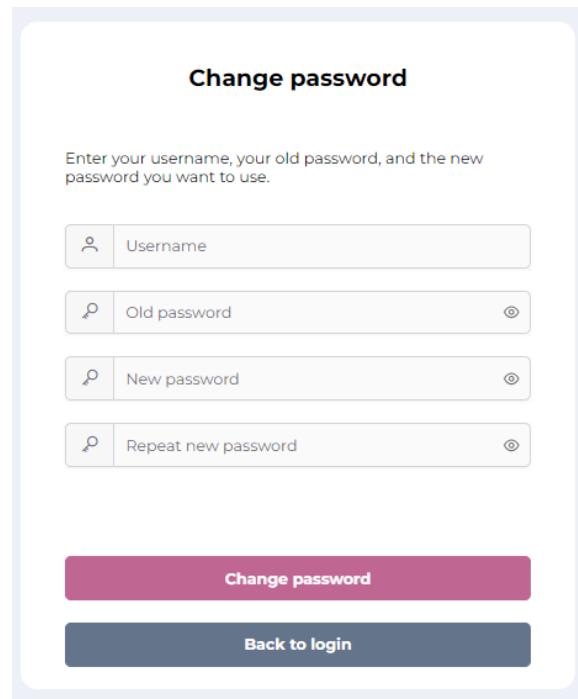


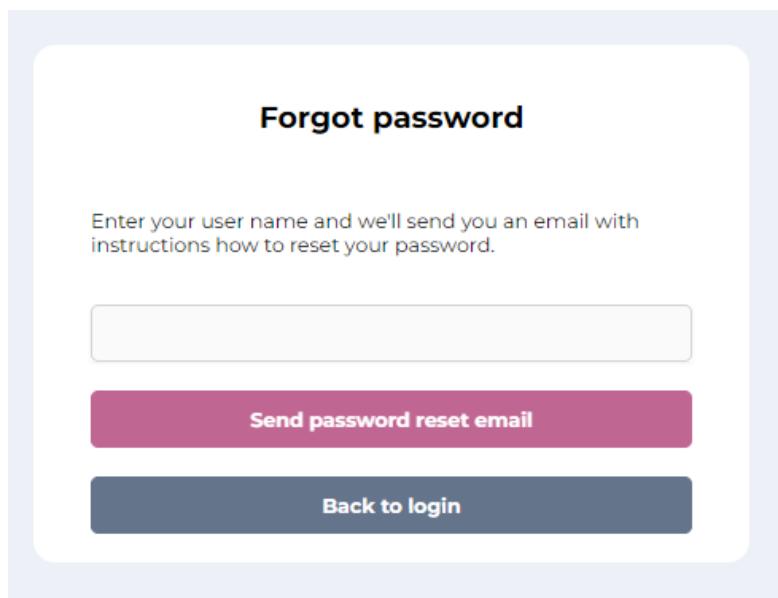
Figure 3 LTFBA Simulation Platform home page while in maintenance mode

On the login page form, user is able to navigate to the password change screen by clicking on the “Change password” button or to request password reset link in case of forgot password by clicking on the “Forgot password” link. In case reset of password is requested, user will receive a dedicated email with further instructions on how to reset it.



The form is titled "Change password". It contains four input fields: "Username", "Old password", "New password", and "Repeat new password". Each input field has a small icon to its left and a "clear" icon to its right. Below the input fields is a "Change password" button in a pink box. At the bottom is a "Back to login" button in a dark blue box.

Figure 4 Form for password change



The form is titled "Forgot password". It contains a text input field and a "Send password reset email" button in a pink box. At the bottom is a "Back to login" button in a dark blue box.

Figure 5 Form for password reset

## 2.1 Password rules

When user account is being created in the tool, users are assigned with initial password which is sent in a dedicated email. Prior to the email containing initial password, users receive an email with information that new account is being created for them, together with the username. Initial password created by the tool must be changed on the initial login.

Either password is forced to be changed for the first time or user is setting it manually on its' own, password must conform to the following rules:

- Must have at least 12 characters
- Must contain at least 3 different kinds of characters (uppercase letters, lowercase letters, numeric digits, symbols)
- Must not be similar to last 20 passwords (passwords are considered similar if only one character is changed or if 1 character is added to the beginning or the end)

Every password is going to expire every 90 days.

## 3 User profiles

The Simulation Platform allows for different user profiles with different levels of access:

- Market participant
- Transmission system Operator (TSO)
- JAO, including Super Admin Role

The access rights are listed in the table:

Table 1 Access rights matrix

Access right	Market Participant	TSO	JAO
Submit a simulation request	Yes	Yes	Yes
Follow-up of simulation requests	Limited to same party (*)	Limited to same party (*)	Yes
Download bid files	Limited to same party (*)	Limited to same party (*)	Yes
Download allocation result files	Limited to same party (*)	Limited to same party (*)	Yes
Download result bid XML files	No	Limited to same party (*)	Yes
Download FB results stream (shadow prices, awarded capacity on CNECs)	No	Limited to same party (*)	Yes
Submit FB domain files through the UI	No	Yes	Yes
Display list of FB domains	Limited (**)	Yes	Yes
Download FBP files	Limited (**)	Yes	Yes
Define available user profiles for FB domains	No	No	Yes
Submit historical order book files through the UI	No	Yes	Yes

Display list of historical order books	Limited (**)	Yes	Yes
Download historical order book files	Limited (**)	Yes	Yes
Define available user profiles for historical order books	No	No	Yes
Submit CFG files through the UI	No	Yes	Yes
Display list of CFG files	Yes	Yes	Yes
Download CFG files	Yes	Yes	Yes
Download log stream	No	Yes	Yes
Download User Guide	Yes	Yes	Yes
Register a new party	No	No	Yes
Register a new user	No	No	Yes
Display list of registered parties	No	No	Yes
Display list of registered users	No	No	Yes
Manage registered parties	No	No	Yes
Manage registered users	No	No	Yes
Password change through the login page	Limited to same user	Limited to same user	Limited to same user
Display and edit tool configurations page	No	No	Only Super Admin

(\*) Limited to same party means that a User is limited to follow the simulation requests and download associated documents related to all Users belonging to the same Party

(\*\*) Limited to the FB domains or historical order books which have been made available by JAO to market participants.

## 4 Tool Administration

Only JAO users have access to Administration pages of a tool. Within administration part of the tool, it is possible to manage users and parties, as well to configure Simulation Platform properties in case of Super Admin role.

### 4.1 Parties

Page presents available Parties and a button to add a new one. Besides parties added through the web interface, system presents parties registered and synchronized from the LDAP server. Parties added through web interface are marked as external and can be edited and enabled/disabled by clicking the edit/pencil icon. User can filter the parties by using one of the offered filters on top of the page.

Parties						
Search: <input type="text"/> Roles: <input type="button" value="Select roles"/> Type: <input type="button" value="Select type"/> Status: <input type="button" value="Select status"/>		<input type="button" value="Apply"/> <input type="button" value="Clear"/>				
<a href="#">+ Add new Party</a>						
Id	Name	Identification	Role	External	Full Name	Active
9af6df0d2-64e8-40e1-b4fc-84ca7742a821	JAO	10x1001A001A57U	JAO	<input type="checkbox"/>	Joint Allocation Office	<input type="checkbox"/>
08febc50-cafa-4659-9380-4556bc0247a9	Test_party	12xabsahdht20232	TSO	<input checked="" type="checkbox"/>	test party full name	<input checked="" type="checkbox"/> <input type="button" value="Edit"/>
7a367cf3-5eda-4da8-8bb7-cc53656c3623	TSO_demo_2	12xasjdsadjasjaj	TSO	<input checked="" type="checkbox"/>	TSO demo 2	<input checked="" type="checkbox"/> <input type="button" value="Edit"/>
17465095-329f-4cdc-ad33-9ff5e79d6023	MP test	12x1a5sdSasdasd	MarketParticipant	<input checked="" type="checkbox"/>	MP test	<input checked="" type="checkbox"/> <input type="button" value="Edit"/>
1d7e7753-3aca-41df-bd35-1c22d4ac0fd5	TSO_demo_3	12xasjdsadjasjaa	TSO	<input checked="" type="checkbox"/>	TSO Demonstration 3	<input checked="" type="checkbox"/> <input type="button" value="Edit"/>
8cfc505a-d2d4-434a-aaff-55dd3d415e973	TSO_demo_4	12xasjdsadjasjb	TSO	<input checked="" type="checkbox"/>	TSO Demonstration 4	<input checked="" type="checkbox"/> <input type="button" value="Edit"/>
aee445b1-49bd-432b-83b9-e1294e4efdf3	TSO_demo_5	12xasjdsadjasjic	TSO	<input checked="" type="checkbox"/>	TSO Demonstration 5	<input checked="" type="checkbox"/> <input type="button" value="Edit"/>
0075b7a-195a-458e-Beef-e4bc3a7169a03	TSO_demo_6	12xasjdsadjasjd	TSO	<input checked="" type="checkbox"/>	TSO Demonstration 6	<input checked="" type="checkbox"/> <input type="button" value="Edit"/>
<input type="button" value="&lt;&lt;"/> <input type="button" value="&lt;"/> <input type="button" value="1"/> <input type="button" value="&gt;"/> <input type="button" value="&gt;&gt;"/> <input type="button" value="10"/> <input type="button" value="&lt;"/>						

Figure 6 Parties overview page

Search filter simultaneously searches for the typed in term in Name, Identification and Full Name columns. User selects one of the offered items and clicks Apply button to apply filtering. Search filter also allows to create a new search term which will be applied when user clicks apply. It will return all rows which contain searched term in either of before mentioned columns. Filters for Roles, Type and Status offer a classical multiselect filtering. By clicking Clear button, all selected filters are cleared.

Modal for adding a new party requests user to enter Name, Identification (EIC code), Full Name and select a Role (TSO/Market participant).

Add new Party X

Name

Identification

Full Name

Role

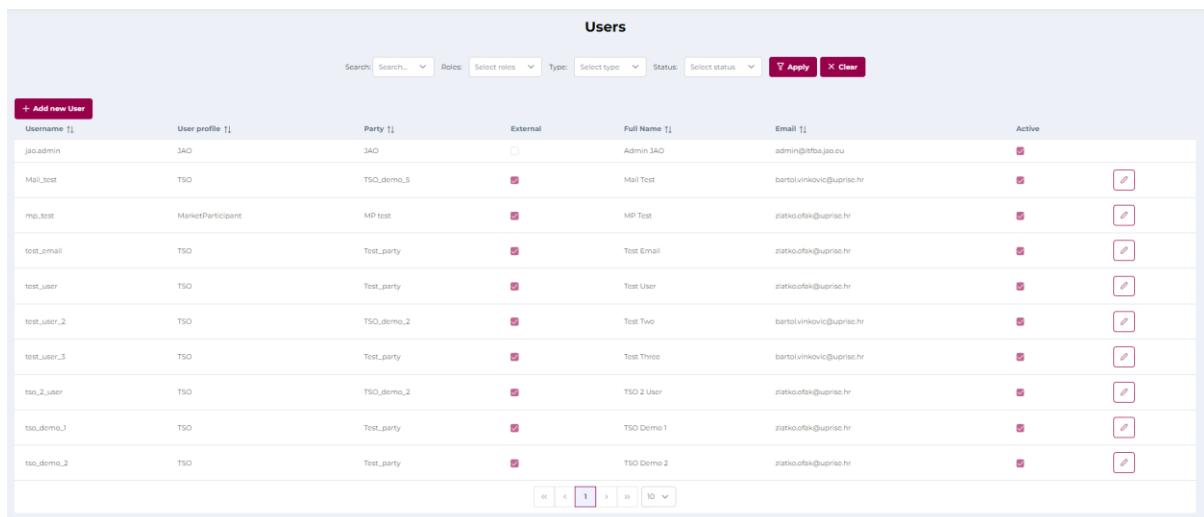
Figure 7 Modal for new party registration

Following rules apply when new party is created:

- Name is mandatory
- Name shall contain a maximum of 50 alphanumeric characters
- Name shall be unique
- Identification shall be a unique code for all registered parties
- Identification shall contain 16 alphanumeric characters
- Third character in the identification shall be "X"
- Full name is mandatory
- Full name shall contain a maximum of 100 alphanumeric characters

## 4.2 Users

Page presents available Users and a button to add a new one. Besides users added through the web interface, system presents users registered and synchronized from the LDAP server. Users added through web interface are marked as external and can be edited and enabled/disabled by clicking the edit/pencil icon. User can filter the Users by using one of the offered filters on top of the page.



Users						
Username	User profile	Party	External	Full Name	Email	Active
jao.admin	JAO	JAO	<input type="checkbox"/>	Admin JAO	admin@lftba.jao.eu	
Mail_test	TSO	TSO_demo_5		Mail Test	bartol.vinkovic@uprise.hr	
mp_test	MarketParticipant	MP test		MP Test	zlatko.ofak@uprise.hr	
test_email	TSO	Test_party		Test Email	zlatko.ofak@uprise.hr	
test_user	TSO	Test_party		Test User	zlatko.ofak@uprise.hr	
test_user_2	TSO	TSO_demo_2		Test Two	bartol.vinkovic@uprise.hr	
test_user_3	TSO	Test_party		Test Three	bartol.vinkovic@uprise.hr	
ts0_2_user	TSO	TSO_demo_2		TSO 2 User	zlatko.ofak@uprise.hr	
ts0_demo_3	TSO	Test_party		TSO Demo 1	zlatko.ofak@uprise.hr	
ts0_demo_2	TSO	Test_party		TSO Demo 2	zlatko.ofak@uprise.hr	

Figure 8 Users overview page

Search filter simultaneously searches for the typed in term in Username, First Name, Last name, Email and Party columns. User selects one of the offered items and clicks Apply button to apply filtering. Search filter also allows to create a new search term which will be applied when user clicks apply. It will return all rows which contain searched term in either of before mentioned columns. Filters for Roles, Type and Status offer a classical multiselect filtering. By clicking Clear button, all selected filters are cleared.

Modal for adding a new User requests user to enter Username, Email, First Name, Last Name and select a Party. By clicking Generate, password is generated by the tool as the initial user password. This password is the one sent to user by email when account is created.

Similarly, when user is synchronized from the LDAP server, Simulation Platform tool generates the initial password which is different from the one in the LDAP server and is sent via email to the user when account is created.

The form is titled "Add new User". It includes fields for "Username", "Email", "First Name", "Last Name", and "Password". The "Password" field has a "Generate" button. A "Party" dropdown is also present. At the bottom are "Save" and "Cancel" buttons.

Figure 9 Form for creation of a new user

Following rules apply when new user is created:

- Username is mandatory
- Username shall contain a maximum of 100 alphanumeric characters
- Username is unique
- Password is mandatory (created by clicking on Generate button)
- Party is mandatory (only TSOs and external parties can be selected)
- Email is mandatory
- Email shall contain a maximum of 80 alphanumeric characters
- Full name is mandatory
- Full name shall contain a maximum of 100 alphanumeric characters.

## 4.3 Configuration

This page is available only to Super Admin.

Configuration page offers possibility to set Simulation platform configurations.

1. Maximum number of parallel simulation requests per party in the Message queue – defines maximum number of simulation request that one or more users from the same party can add to the queue. When exceeded, warning message will be displayed and user will not be able to add new simulation request. Number is counted as number of simulation requests from the same party with “Waiting” status.
2. Maximum number of parallel simulation requests per user profile in the Message queue – defines maximum number of simulation request that one or more users from the same user profile (i.e., Market participant, TSO or JAO) can add to the queue. When exceeded, warning message will be displayed and user will not be able to add new simulation request. Number is counted as number of simulation requests from the same user profile with “Waiting” status.
3. Maximum number of parallel simulation requests per user in the Message queue – defines maximum number of simulation request that one user can add to the queue. When exceeded, warning message will be displayed and user will not be able to add new simulation request. Number is counted as number of simulation requests from the same user with “Waiting” status.
4. Time for daily eCAT synchronization – Defines time when daily check for synchronization of users and parties from the LDAP server will be performed. When application is started for the first time, all users are parties are synchronized to the Simulation Platform database. All details except the password remain the same, while new password is assigned by the tool and needs to be changed on the first login. Every day the tool checks if there are new users or parties in LDAP that don't exist in the Simulation Platform, and if yes, they are synchronized.
5. Log level – Defined minimum level of log types that will be included in the Simulation Platform log file. Possible options in ascending order: Debug, Information, Error.
6. Inactivity period for web session closing in seconds – Maximum time in seconds after which user is automatically logged out from the tool if no action was performed.
7. Number JAO/TSO LTFBA Algorithm instances – Defines number of LTFBA algorithm instances available for TSOs/JAO queue, i.e., maximum number of simulations that can be executed in parallel for TSO or JAO.
8. Number Market Participants LTFBA Algorithm instances – Defines number of LTFBA algorithm instances available for Market participants queue, i.e., maximum number of simulations that can be executed in parallel for Market participants.
9. Synchronize TSO users from eCAT – Defines if TSO users will be synchronized from the LDAP server each time synchronization is started.
10. Synchronize MP users from eCAT - Defines if Market Participant users will be synchronized from the LDAP server each time synchronization is started.
11. Maintenance mode – Defines if Simulation Platform maintenance mode is active or not. When activated, users will not be able to submit new simulation requests.

12. Maximum number of retries when connecting to SFTP – Defines number of connection retries with sFTP file storage Simulation Platform will perform before throwing an error.
13. Validation values – used as validation rules upon file upload for MP and TSO/JAO user profiles on maximum number of bids in historical order book per bidding party and per bidding zone border, maximum allowed number of bids per bidding party and per oriented allocation border, CNECs in FB document and bids in Bid document. Empty value/cell indicates that no limit is in place.

**Simulation Platform Configurations**

Validation values				
MP	Maximum number of bids in historical order book per bidding party and per bidding zone border	Maximum number of bids per bidding party and per oriented allocation border	Maximum number of CNLQs in FB document	Maximum number of bids in Bid document
TSO/JAO	15	1,000	10	20,000

Maximum number of parallel simulation requests per party in the Message queue: 10

Maximum number of parallel simulation requests per user profile in the Message queue: 10

Maximum number of parallel simulation requests per user in the Message queue: 10

Time for daily eCAT synchronization: 13:07

Log level: Information

Inactivity period for web session closing in seconds: 10,000

Number of JAO/TSO LTFBA Algorithm instances: 1

Number of Market Participants LTFBA Algorithm instances: 1

Synchronize TSO users from eCAT:

Synchronize MP users from eCAT:

Maintenance mode:

Maximum number of retries when connecting to SFTP: 1

**Save**

Figure 10 Simulation Platform Configurations page

## 5 Simulation input files upload

### 5.1 Flow Based Domains

Page presents available Flow Based (FB) domain documents and a button to add a new one. User can download a document by clicking a download icon next to file name. JAO user can set FB domain document available to market participants. User can filter the files by using one of the offered filters on top of the page.

List of flow-based domains					
Parties:	Select Parties	Users:	Select Users	Submission date:	From To
<a href="#">+ Add new FB domain document</a>					
FB domain name	Submission time	Party	Username	FB domain file	Available to market participants?
good_fb_domain_v1.xml	14.11.2023 17:01	JAO	admin@ltfba.jao.eu	<a href="#">good_fb_domain_v1.xml</a>	<input checked="" type="checkbox"/>
20270101-FLT-051-FNL_AMRINCL_ZEROBAL_PRES_MERGED_FBPARAMS_CNE-v1-Copy_v1.xml	27.10.2023 13:56	Test_TSO	test_tso	<a href="#">20270101-FLT-051-FNL_AMRINCL_ZEROBAL_PRES_MERGED_FBPARAMS_CNE-v1-Copy_v1.xml</a>	<input type="checkbox"/>
20270101-FLT-051-FNL_AMRINCL_ZEROBAL_PRES_MERGED_FBPARAMS_CNE-v1-Copy_v1.xml	24.08.2023 12:45	JAO	admin@ltfba.jao.eu	<a href="#">20270101-FLT-051-FNL_AMRINCL_ZEROBAL_PRES_MERGED_FBPARAMS_CNE-v1-Copy_v1.xml</a>	<input checked="" type="checkbox"/>
20270101-FLT-051-FNL_AMRINCL_ZEROBAL_PRES_MERGED_FBPARAMS_CNE-v1-Copy_v1.xml	23.08.2023 16:34	JAO	admin@ltfba.jao.eu	<a href="#">20270101-FLT-051-FNL_AMRINCL_ZEROBAL_PRES_MERGED_FBPARAMS_CNE-v1-Copy_v1.xml</a>	<input type="checkbox"/>

Figure 11 Flow based domains overview page

Filters for Parties and Users offer a classical multiselect filtering, while for submission date user can select a time period in which files were submitted. After selecting desired filters, user clicks Apply button to apply the filters. By clicking Clear button, all selected filters are cleared.

To upload a document user clicks on a “Add new FB domain document” button and is redirected to an upload page. After clicking browse, option to select a file is offered. User selects a file, clicks Open and then Upload buttons. If user selects a file to upload which has the same name as an already uploaded file, implemented automatic versioning will save the newly uploaded file with adjusted file name, increasing the file version.

Validation is performed against XSDs and file is validated. User gets a “Upload success” message if validation passed or “Validation fail” message if validation failed.

In case of successful validation, file is transformed into the format needed for LTFBA algorithm. In case transformation was successful, file is uploaded and is presented on the list of available FB domain files.

## Upload of flow-based parameters

Select the flow-based domain file you want to upload:

+ Browse    

ECAN4\_BidDocument\_v19.xml

2.875 KB 



0%

**Status:** Validation fail

Format of the fb domain document shall be Capacity Calculation Tools (CCT) standard XML format

Figure 12 FB domain document upload and failed validation

## Upload of flow-based parameters

Select the flow-based domain file you want to upload:

+ Browse    

20270101-FLT-051-FNL\_AMRINCL\_ZEROBAL\_PRES\_MERGED\_FBPARAMS\_CNE-v1 - Copy\_v1.xml

1.031 MB 



100%

**Status:** Upload success

Figure 13 FB domain document upload with successful validation

## 5.2 Historical Order Books

Page presents available historical order book files in XLSX format and a button to add a new one. User can download a document by clicking a download icon next to file name. JAO user can set historical order book file available to market participants. User can filter the files by using one of the offered filters on top of the page.

Historical order book name	Submission time	Party	Username	Historical order book file	Available to market participants?
Bids_Y_2024_v2.xlsx	11.04.2025.10:07	TSO_demo_2	tso_2_user	Bids_Y_2024_v2.xlsx	<input type="checkbox"/>
Bids_Y_2024_v1.xlsx	11.04.2025.09:28	JAO	jao.admin	Bids_Y_2024_v1.xlsx	<input checked="" type="checkbox"/>

Figure 14 Historical order books overview page

Filters for Parties and Users offer a classical multiselect filtering, while for submission date user can select a time period in which files were submitted. After selecting desired filters, user clicks Apply button to apply the filters. By clicking Clear button, all selected filters are cleared.

To upload a document user clicks on a “Add new Historical order book” button and is redirected to an upload page. After clicking browse, option to select a XLSX file is offered. User selects a file, clicks Open and then Upload buttons. If user selects a file to upload which has the same name as an already uploaded file, implemented automatic versioning will save the newly uploaded file with adjusted file name, increasing the file version.

Validation is performed against XLSX file structure and associated limit of maximum number of bids per bidding party and per bidding zone border. User gets a “Upload success” message if validation passed or “Validation fail” message if validation failed.

In case of successful validation, the XLSX file is uploaded and is presented on the list of available historical order book files.



## Upload of Historical order book

Select the Historical order book file you want to upload:

**+ Browse** **Upload**

Bids\_Y\_2024\_v2.xlsx

509.3 KB **Failed**



0%

**Status:** Validation fail

The document contained one or more border directions which contained more than 15 bids

Figure 15 Historical order book upload and failed validation



## Upload of Historical order book

Select the Historical order book file you want to upload:

**+ Browse** **Upload**

Bids\_Y\_2024\_v2.xlsx

509.3 KB **Success**



100%

**Status:** Upload success

Figure 16 Historical order book upload with successful validation

## 5.3 Configuration Parameters

Page presents available CFG documents and a button to add a new one. User can download a document by clicking a download icon next to file name. User can filter the files by using one of the offered filters on top of the page.

List of configurations for market areas, borders and virtual hubs				
Parties:	Select Parties	Users:	Select Users	Submission date:
<a href="#">+ Add new CFG document</a>				<input style="border: none; background-color: transparent; font-size: small; margin-right: 10px;" type="button" value="From"/> <input style="border: none; background-color: transparent; font-size: small; margin-right: 10px;" type="button" value="To"/> <input style="border: 1px solid #0070C0; border-radius: 5px; padding: 2px 10px; margin-right: 10px;" type="button" value="Apply"/> <input style="border: 1px solid #0070C0; border-radius: 5px; padding: 2px 10px;" type="button" value="Clear"/>
CFG name	Submission time	Party	Username	CFG parameter file
good_cfg_v1.xml	14.11.2023 17:01	SAO	admin@ltfba.jacenu	 good_cfg_v1.xml
20230301-01-CFG_v1_v4.xml	30.10.2023 14:24	Tstat_TSO	test_tso	 20230301-01-CFG_v1_v4.xml
20230301-01-CFG_v1.xml	23.08.2023 16:15	SAO	admin@ltfba.jacenu	 20230301-01-CFG_v1.xml
20230301-01-CFG_v0_v2.xml	23.08.2023 15:19	SAO	admin@ltfba.jacenu	 20230301-01-CFG_v0_v2.xml
20230301-01-CFG_v0_v1.xml	23.08.2023 15:01	SAO	admin@ltfba.jacenu	 20230301-01-CFG_v0_v1.xml
20230301-01-CFG_v1.xml	18.08.2023 12:52	SAO	admin@ltfba.jacenu	 20230301-01-CFG_v1.xml
20230301-01-CFG_v1.xml	16.08.2023 09:56	SAO	admin@ltfba.jacenu	 20230301-01-CFG_v1.xml
20230301-01-CFG_v1.xml	11.08.2023 21:00	SAO	admin@ltfba.jacenu	 20230301-01-CFG_v1.xml
20230301-01-CFG_v0.xml	10.08.2023 09:19	SAO	admin@ltfba.jacenu	 20230301-01-CFG_v0.xml
20230301-01-CFG_v1.xml	09.08.2023 20:35	SAO	admin@ltfba.jacenu	 20230301-01-CFG_v1.xml

Figure 17 Configuration parameters overview page

Filters for Parties and Users offer a classical multiselect filtering, while for submission date user can select a time period in which files were submitted. After selecting desired filters, user clicks Apply button to apply the filters. By clicking Clear button, all selected filters are cleared.

To upload a document user clicks on a “Add new CFG document” button and is redirected to an upload page. After clicking browse, option to select a file is offered. User selects a file, clicks Open and then Upload buttons. If user selects a file to upload which has the same name as an already uploaded file, implemented automatic versioning will save the newly uploaded file with adjusted file name, increasing the file version.

Validation is run against an XSD and file is validated. User gets a “Upload success” message if validation passed or “Validation fail” message if validation failed.

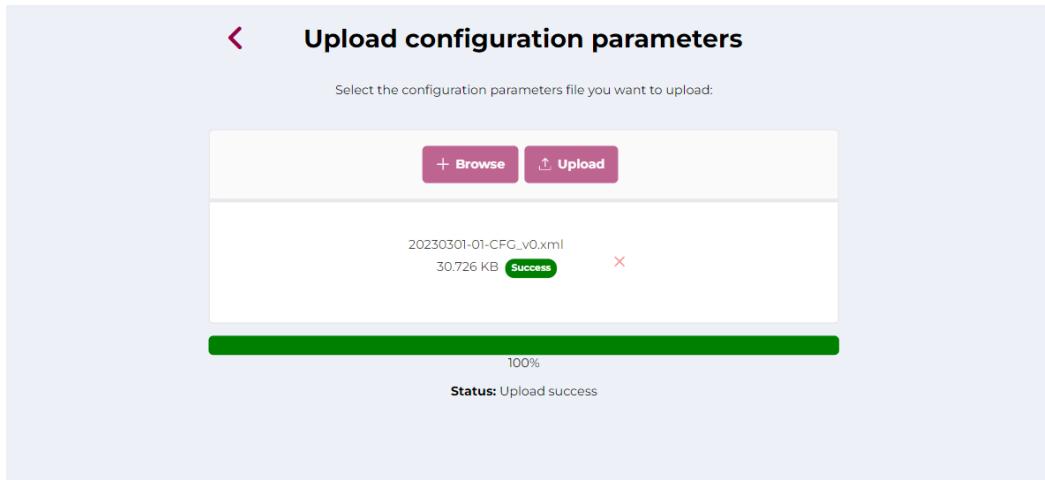


Figure 18 Upload of configuration parameters file with successful validation

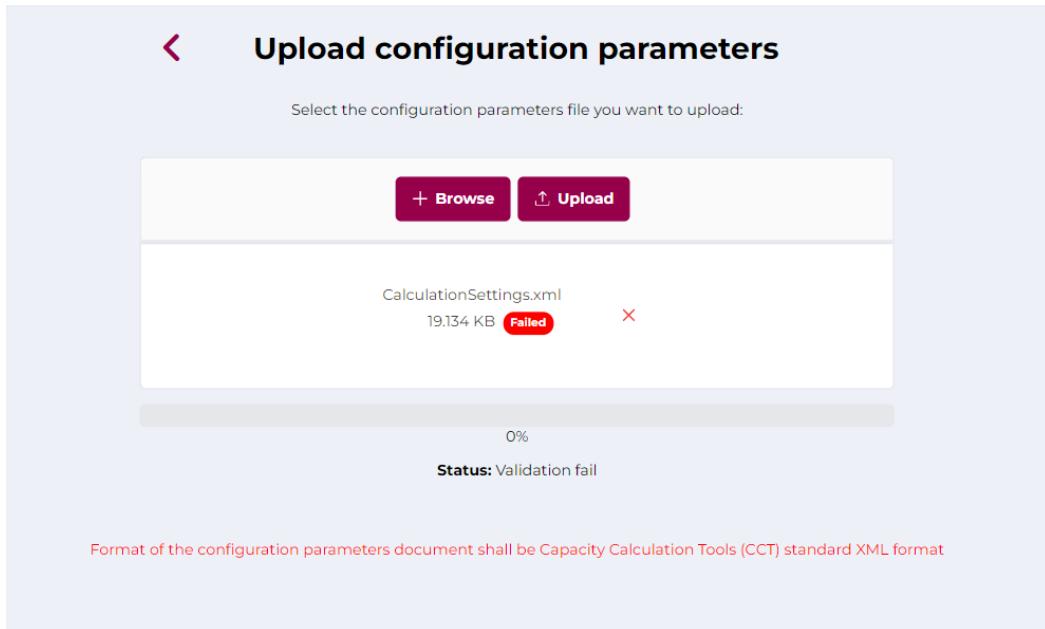


Figure 19 Upload of configuration parameters file with failed validation

## 6 Simulation creation and overview

### 6.1 Create Simulations

User needs to click on the “Create Simulation” button on the Simulation Platform menu in order to navigate to the screen dedicated to the simulation requests submission page.

User needs to first select FB domain and CFG files and then upload a bid document.

User has an option to select historical order book as well. Selection is not mandatory and when it comes to the Market participants, only historical order books that were made available are listed in the dropdown list.

To upload a Bid document user clicks Browse button and an option to select a file is offered.

Tool supports upload of two kinds of bid documents:

- ECAN v4 XML bid document
- XLSX bid document

User selects a file, clicks Open and then Upload buttons. If user selects a file to upload which has the same name as an already uploaded file, implemented automatic versioning will save the newly uploaded file with adjusted file name, increasing the file version. Validation is run against XSDs and file is validated.

User gets a “Simulation request processed successfully.” message if validation passed or “Validation fail” message if validation failed.

In case of successful validation, file is transformed into the format needed for LTfBA algorithm. Bids from the file are merged with the historical order book bids if the historical order book file was selected. In case transformation was successful, simulation request is created and added to the queue.

After creating simulation, user can use Overview page to follow progress. Simulation next in line to be run is given a rank 1. Rank is given on first come – first serve basis with two separated queues:

- one queue for requests made by JAO and TSOs;
- second one for Market participants.

Select the flow-based domain:

Select the configuration parameters:

Select the historical order book:

X

Select the bid file you want to upload:

+ Browse
Upload

ECAN4\_BidDocument\_v89\_v28.xml
2.808 KB
Success
X

100%

**Status:** Simulation request processed successfully.

i Your simulation request is fully accepted and has been added to the queue in rank 1

Figure 20 Screen for submission of simulation requests with successful validation

## 6.2 Overview

Overview page allows user to follow-up on simulation requests made. User can filter the files by using one of the offered filters on top of the page.

Follow-up of simulation requests															
Request ID	Submission time	T1	Party T1	Username T1	FB domain T1	CFG Parameters T1	Bids T1	Order Book T1	Allocation results	Bid results	Flow-Based results (XMLE)	Flow-Based results (XLSX)	Logs	Rank	Status T1
From	To	Apply	Clear												
198102-3-527-446-46 b059-72aa02b67a67	04. 08. 2025. 15:41	3AO	jeo.admin	 outdomain_v9.xml	 CFG_L1.vxml	 ECANA_BidDo_current_v9.vxml								Incorrect Request	
523105-075-440-9 698-809f0930a216	14. 04. 2025. 13:49	3AO	jeo.admin	 outdomain_v9.xml	 20230101-CF_G.add_BE_DE_v3.xml	 ECANA_BidDo_current_v9.vxml	 Bids_V_202_4.vxml	 bid_file_v2_87.csv	 bid_file_v2_47.xml	 top_file_v2_24_6.xml	 top_file_v2_24_6.xlsx	 log_file_v2_48.txt		Completed	
a5f59cfd-3c0a-4260 d70ca-9957d178347	14. 04. 2025. 13:49	3AO	jeo.admin	 outdomain_v9.xml	 20230101-CF_G.add_BE_DE_v3.xml	 ECANA_BidDo_current_v9.vxml	 Bids_V_202_4.vxml	 bid_file_v2_86.csv	 bid_file_v2_46.xml	 top_file_v2_24_5.xml	 top_file_v2_24_5.xlsx	 log_file_v2_47.txt		Completed	
5c734ed-079-424-e- 8420-7f440300a0e	14. 04. 2025. 09:55	3AO	jeo.admin	 outdomain_v9.xml	 20230101-CF_G.add_BE_DE_v3.xml	 EXCEL_Bids_2_103_CORE_v4_v3.xml	 Bids_V_202_4.vxml	 bid_file_v2_85.csv	 bid_file_v2_45.xml	 top_file_v2_24_4.xml	 top_file_v2_24_4.xlsx	 log_file_v2_46.txt		Completed	
710101b-7905-4464- 0059-15f1800a4579	11. 04. 2025. 10:10	MP test	mp_test	 D040101-FLS-060-FLN_AMR-CLN_ZEROL	 20230101-CF_G.add_BE_DE_v3.xml	 ECANA_BidDo_current_v9.vxml	 Bids_V_202_4.vxml	 bid_file_v2_84.csv	 bid_file_v2_44.xml	 top_file_v2_3.xml	 top_file_v2_3.xlsx	 log_file_v2_45.txt		Completed	
f2994cf-2969-4f9- 007-89433097a047	11. 04. 2025. 09:32	TSO.demo_2	ts0_2_user	 outdomain_v9.xml	 20230101-CF_G.add_BE_DE_v3.xml	 EXCEL_Bids_2_103_CORE_v4_v3.xml	 Bids_V_202_4.vxml						 log_file_v2_44.txt	Failed	
2410156-3ea9-4459- 9fc5-c54c5462c30	11. 04. 2025. 09:29	3AO	jeo.admin	 outdomain_v9.xml	 20230101-CF_G.add_BE_DE_v3.xml	 ECANA_BidDo_current_v9.vxml	 Bids_V_202_4.vxml	 bid_file_v2_82.csv	 bid_file_v2_42.xml	 top_file_v2_1.xml	 top_file_v2_1.xlsx	 log_file_v2_41.txt		Completed	
8cc0f0a-4420-4f63- 9067-07b0a02a208	11. 04. 2025. 09:29	3AO	jeo.admin	 outdomain_v9.xml	 20230101-CF_G.add_BE_DE_v3.xml	 ECANA_BidDo_current_v9.vxml	 Bids_V_202_4.vxml	 bid_file_v2_80.csv	 bid_file_v2_40.xml	 top_file_v2_0.xml	 top_file_v2_0.xlsx	 log_file_v2_42.txt		Completed	
15ca026-3f5a-4dc8- a150-7fc0a03642b	12. 06. 2024. 20:30	3AO	jeo.admin	 outdomain_v9.xml	 20230101-CF_G.add_BE_DE_v3.xml	 Bid_template_v198.xlsx			 bid_file_v2_80.csv	 bid_file_v2_40.xml	 top_file_v2_9.xml	 top_file_v2_9.xlsx	 log_file_v2_41.txt	Completed	
59b52-33a-4099- 9956-a9952aae405	12. 06. 2024. 10:29	3AO	jeo.admin	 outdomain_v9.xml	 20230101-CF_G.add_BE_DE_v3.xml	 Bid_template_v73.xlsx			 bid_file_v2_73.csv	 bid_file_v2_33.xml	 top_file_v2_2.xml	 top_file_v2_2.xlsx	 log_file_v2_34.txt	Completed	

Figure 21 Screen for the follow up of simulation requests

\*Bid results column if visible only to JAO and TSO users

Filters for Parties, Users, Flow-base domain and Status offer a classical multiselect filtering, while for submission date user can select a time period in which files were submitted. After selecting desired filters, user clicks Apply button to apply the filters. By clicking Clear button, all selected filters are cleared.

For each simulation following data is presented:

Table 2 Simulation requests follow up page parameters

Column name	
Request ID	Unique simulation request ID
Submission time	Time at which simulation was submitted in CET time zone
Party	Party that submitted simulation
Username	Username of a user who submitted simulation
FB domain	<b>Input</b> FB domain file used in a simulation
CFG parameters	<b>Input</b> CFG parameters file used in a simulation (parameters for market areas, borders and virtual hubs)
Bids	<b>Input</b> Bids file used in a simulation
Order Book	<b>Input</b> Historical order book file used in a simulation (in case selected)
Allocation results	<b>Output</b> Allocation results CSV file transformed by Simulation Platform from Bid results XML generated by the LTFBA algorithm
Bid results	<b>Output</b> Bid results XML file generated by the LTFBA algorithm
Flow-Based results	<b>Output</b> Flow-Based results file generated by LTFBA algorithm (shadow prices and awarded capacity on the CNECs)
Flow-Based Results XLSX	<b>Output</b> Flow-Based results file in XLSX format
Logs	<b>Output</b> Logs file generated by simulation by LTFBA algorithm
Rank	Current place of given request in the message queue (JAO/TSO or Market Participant queue)
Status	Status of a simulation. Can be: <ul style="list-style-type: none"><li>• Waiting</li><li>• Incorrect Request</li><li>• Failed To Start</li><li>• In Progress</li><li>• Completed</li><li>• Failed</li></ul>