

# BRM Day-Ahead Auction User Guide

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## 1. Accessing the Platform

### 1.1 Logging In

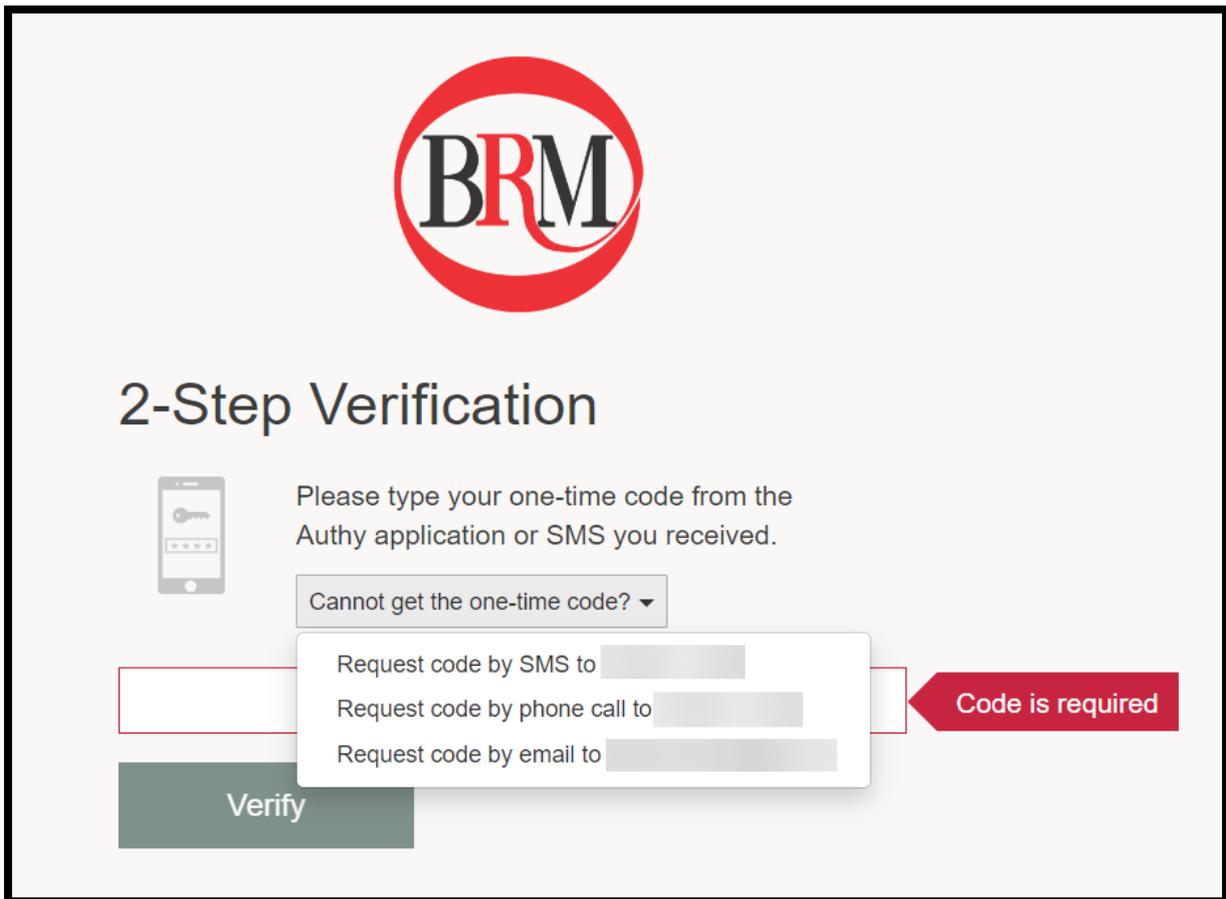
To log in to the BRM service, please find the correct link:

- Auction platform (TEST): [auctions.test.brm-power.ro](https://auctions.test.brm-power.ro)
- Auction platform (Production): [auctions.brm-power.ro](https://auctions.brm-power.ro)

1. Enter your SSO username (e-mail address) in the first field
2. Enter your personal password in the second field
3. Click "Log In" to access the Auction platform

The screenshot shows the BRM login interface. At the top center is the BRM logo. Below it are two input fields: 'Username' and 'Password'. The 'Username' field is empty and has a red error message 'Username is required' to its right. The 'Password' field is also empty and has a red error message 'Password is required' to its right. Below the password field is a link that says 'Forgotten your password?'. At the bottom left of the form is a green 'Log In' button.

4. The platform 2-Factor Authentication so you will be asked to supply a one-time code provided to you over one of the following channels:
  - E-mail
  - Phone call
  - SMS
  - Phone App
  - Desktop App



## 1.2 About the BRM Day Ahead Auction in Romania

The Day Ahead Auction in Romania is a daily auction with physical delivery the following day (D+1). Gate closure is 12:00 CET (Central European Time) and results are published 12:45 CET.

### Getting started

To get started, please follow these steps:

1. Make sure your user is enabled for the auction (contact support if you need access)
2. Visit the platform following the system links from chapter 1;
3. Insert your username and password to log in;
4. Start sending in orders, see User Guide.

### Available Products

We currently offer curve orders, block orders and exclusive group orders submitted directly on our web platform or uploaded via Excel sheets.

1. Curve orders (also known as hourly orders): One curve order is permitted in each area per portfolio.
2. Block orders: The platform supports normal block orders, profile blocks and linked blocks.
3. Exclusive group orders

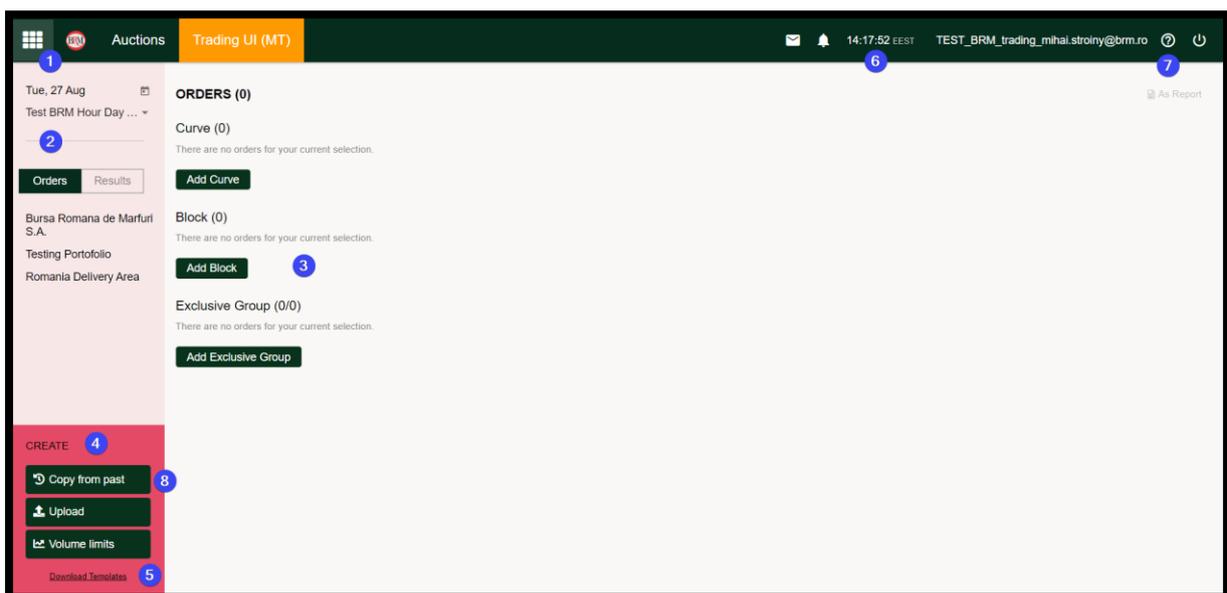
## API (Application Programming Interface) Access

An API is available for the Auction system. For more information, please see the Developer Portal: <https://developers.nordpoolgroup.com/>

### 1.3 The Home Screen Explained

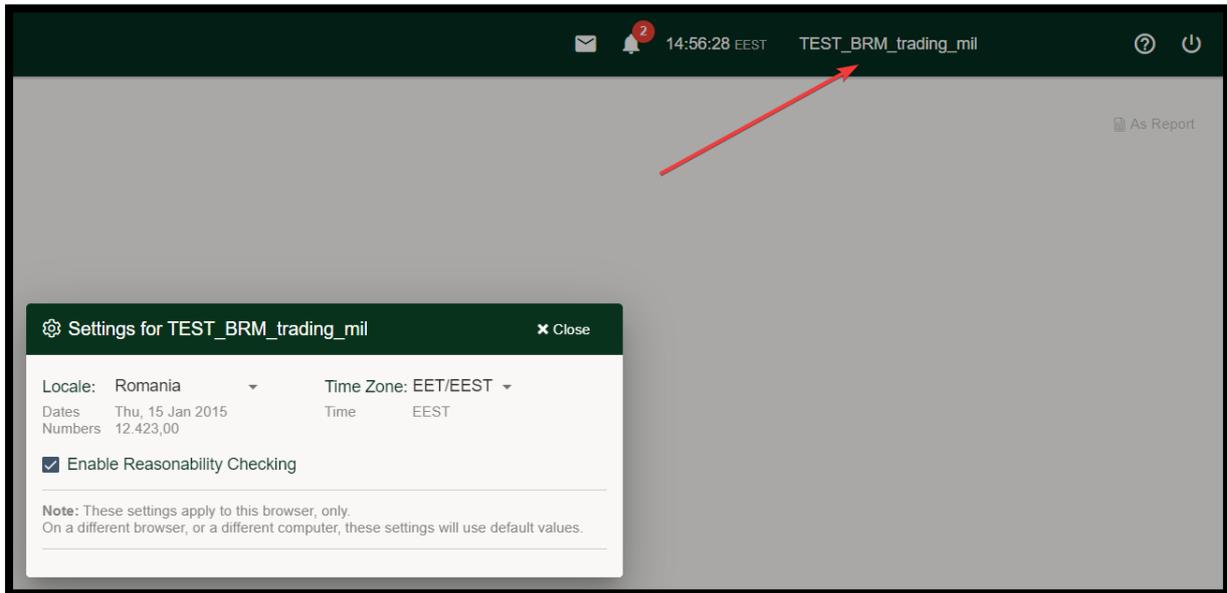
**On the Home Screen you have the following options:**

1. Easily navigate between the BRM systems (Auction, Intraday, CASS (Clearing And Settlement System), etc.). You will only be able to navigate across systems where you have approved access.
2. Filter your view by using the calendar icon and drop-down box within the filter panel on the left-hand side, filter between:
  - Auction Delivery Date
  - Auction
  - Order and Results view
  - Members (if you are registered to trade on behalf of multiple entities these can be selected here)
  - Portfolios (here you can choose the portfolio that you would like to use for submission/results)
  - Area
3. Add your Curve (hourly), Blocks or Exclusive group orders by clicking "Add..."
  - Can be done by simply copying and pasting from an excel sheet or.
4. Add your orders (Curve and/or Block and/or Exclusive groups) by using the "Upload" button and import through already filled our Excel template
5. "Download templates" to easily fill in orders in an Excel template
6. Access your User Settings by clicking on the name of your user
7. Access support page for User Guide
8. Copy orders from past



## 1.4 How to Change User Settings

To change the User Settings, **click on the user name** in the Banner as shown in the picture below and a Settings box will open where you can change and save your preferences for **Locale**, **Time Zone** and **Session** inactivity timer.



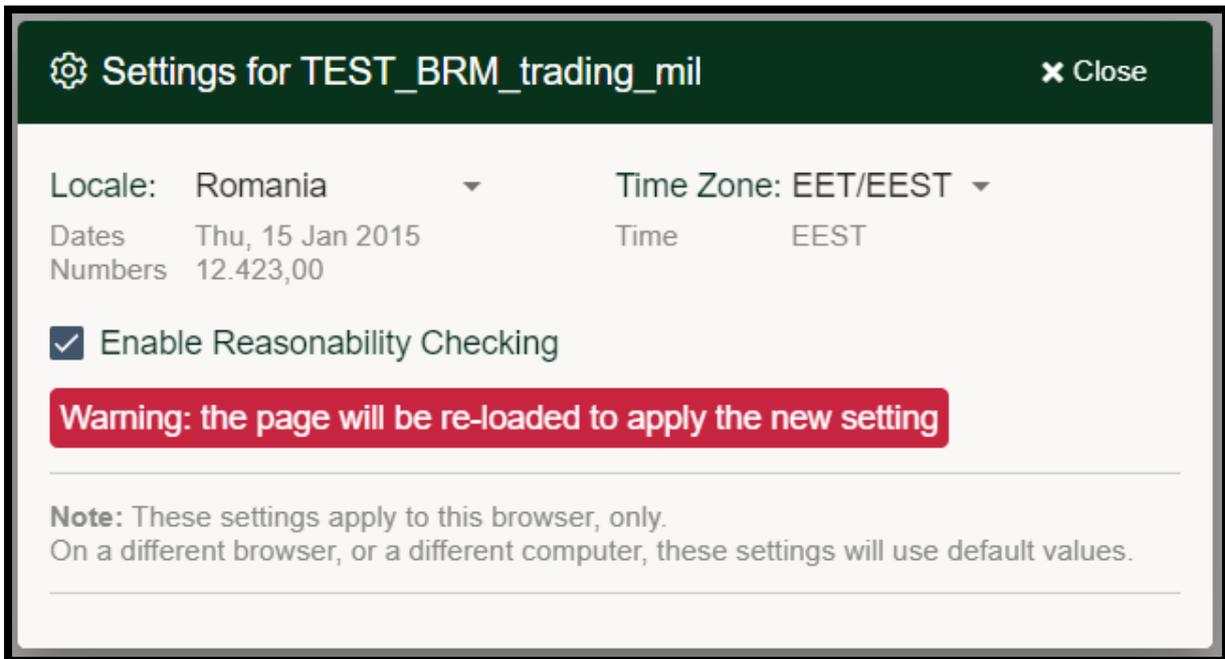
### **Important: settings per computer and browser**

Be aware that all settings are per computer and per browser, and not per user. If you are using a different browser or computer, remember to change the settings accordingly, as these will be set to default values.

**Locale** will set your preference for Date and Number formats

Example:

- If you have UK settings on your computer/Excel, the decimal separator is "."
- If you have BRM set as your **Locale** setting, the Auctions platform will read "," as your decimal separator
- In this case, the auction system would not read the values from your UK formatted Excel sheet as numbers. In order to have the system settings aligned with your local computer settings, change the **Locale** preference to "Great Britain". Once you have selected your new locale preference, the system will give you the following warning:



Settings for TEST\_BRM\_trading\_mil Close

Locale: Romania ▼ Time Zone: EET/EEST ▼

Dates Thu, 15 Jan 2015 Time EEST

Numbers 12.423,00

Enable Reasonability Checking

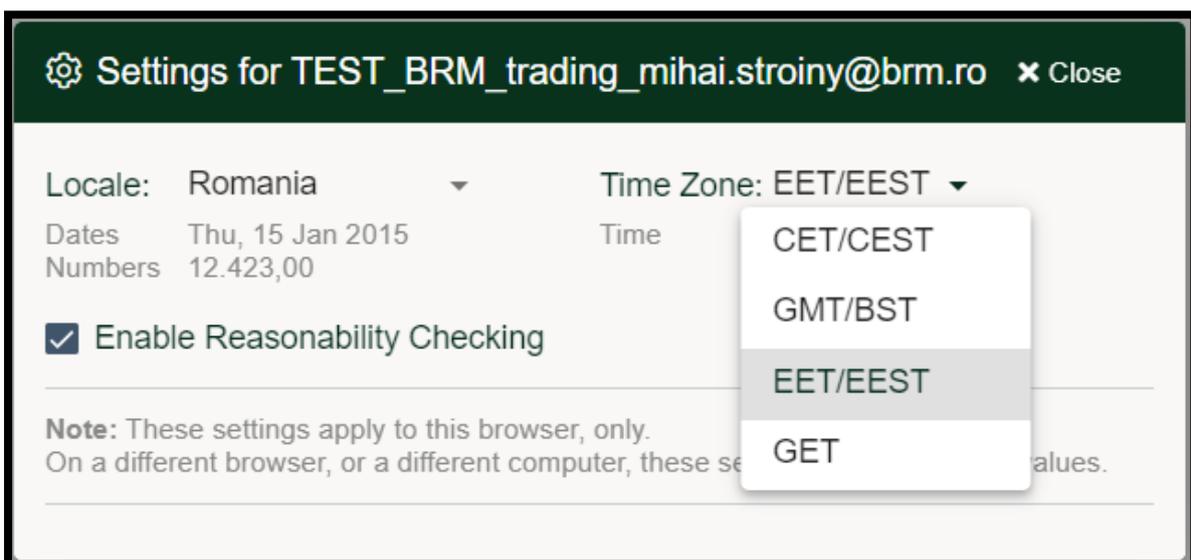
**Warning: the page will be re-loaded to apply the new setting**

**Note:** These settings apply to this browser, only.  
On a different browser, or a different computer, these settings will use default values.

Click "Close" in the upper right corner and the page will automatically be re-loaded

**Time Zone** can be either CET/CEST (Central European Time / Central European Summer Time), GMT/BST (Greenwich Mean Time / British Summer Time), EET/EEST (Eastern European Time/ Eastern European Summer Time)

- The time zone influences:
  - The time stamps displayed on the visualizations
  - The start and stop times used for entering block orders directly in the platform (00:00 - 24:00 for CET/CEST and 02:00 – 02:00 for GET)
  - The time shown in the application bar
  - In the Excel template, an additional field is required for specifying the relevant time zone for the order(s).



Settings for TEST\_BRM\_trading\_mihai.stroiny@brm.ro Close

Locale: Romania ▼ Time Zone: EET/EEST ▼

Dates Thu, 15 Jan 2015 Time

Numbers 12.423,00

Enable Reasonability Checking

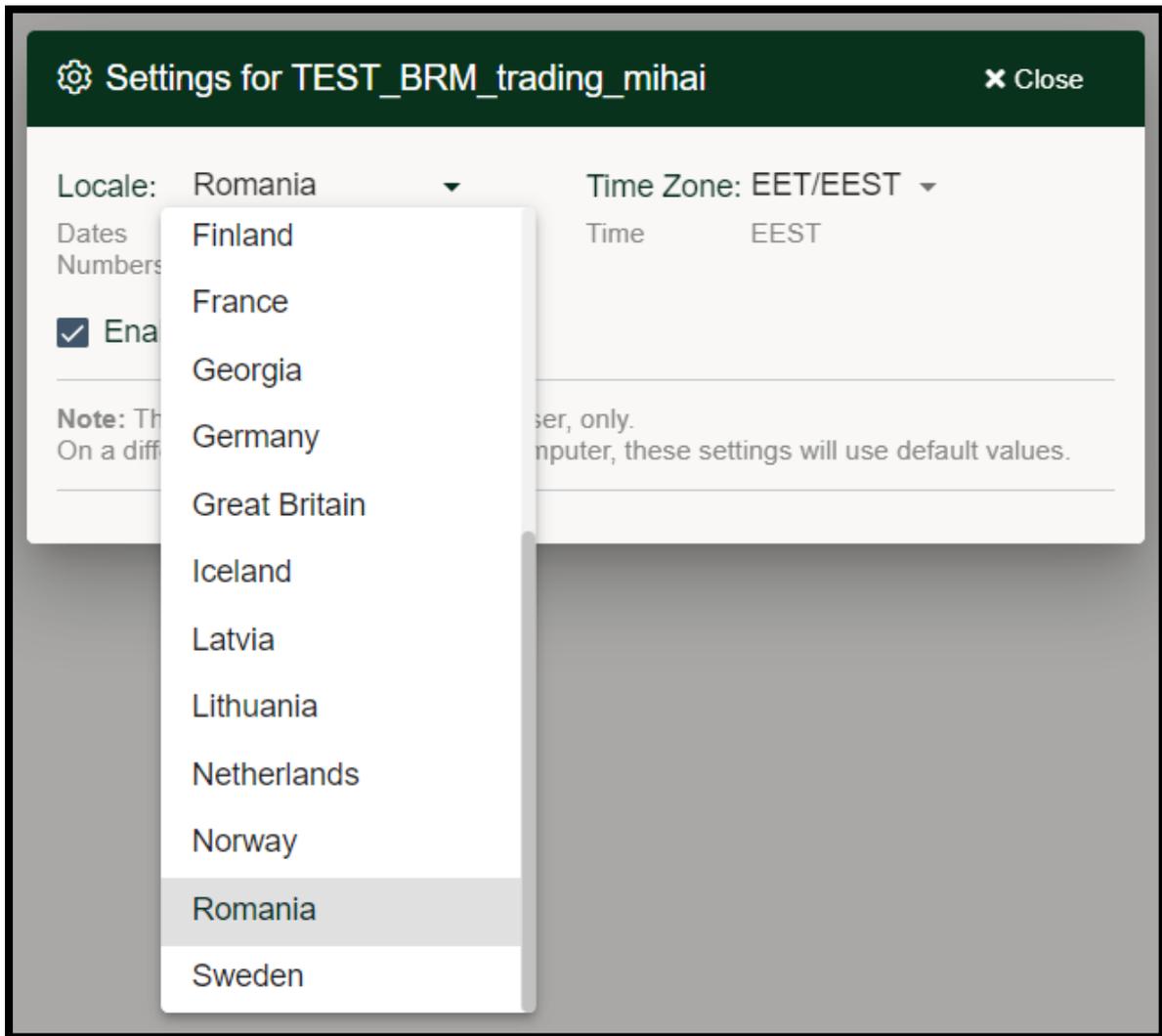
**Note:** These settings apply to this browser, only.  
On a different browser, or a different computer, these settings will use default values.

CET/CEST

GMT/BST

EET/EEST

GET



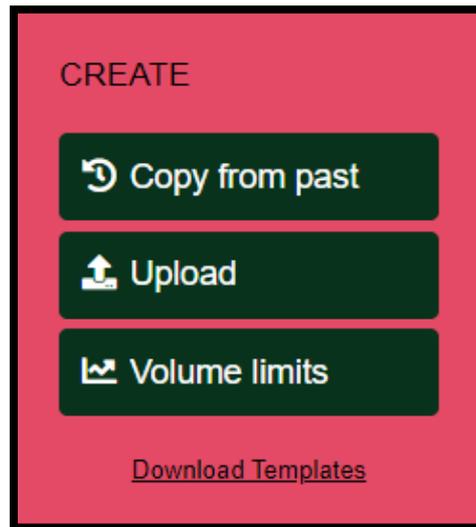
## 2. Orders

In general, you can submit and update orders in three different ways:

1. You can create/update your order in an Excel file, and thereafter copy the orders and paste it directly into the application with the “Add curve” or “Add block” or “Add Exclusive group” button.
2. You can upload orders using our Excel templates
3. You can copy orders from the past

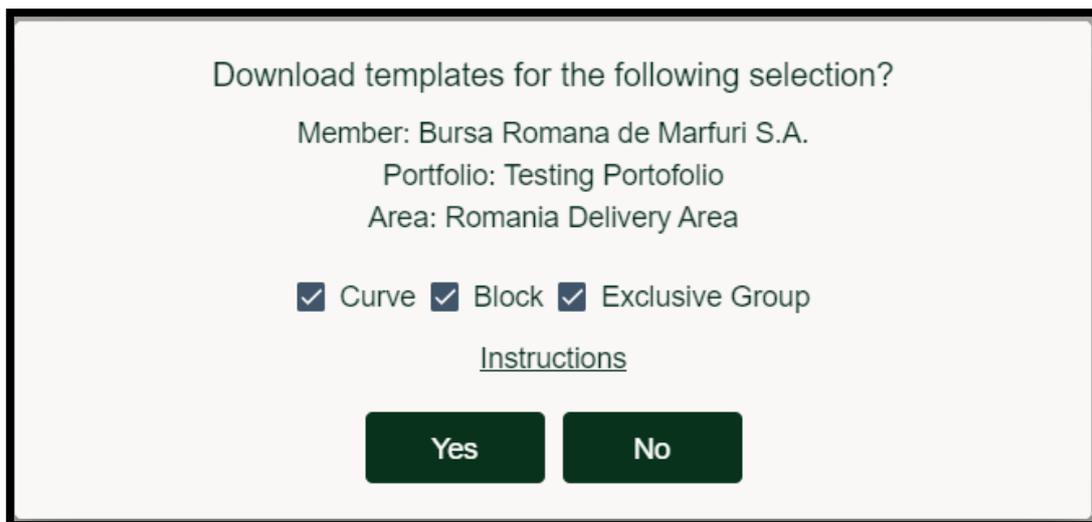
### 2.1 Excel Templates - Introduction to Excel Template

The platform allows for uploading bids via Excel sheets. Click "Download Templates" in the bottom left corner of the platform to download the Excel templates.



A pop-up window appears, asking what order types you want the templates for. Click "Yes" to download the templates.

- Optional: Select the option to "Include Instructions" in the Excel file



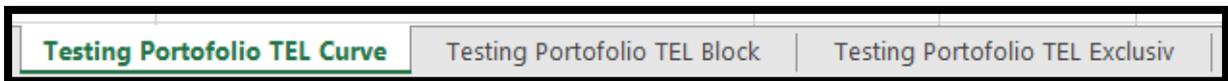
Open the file as downloaded by your browser. The first seven rows must be included and are automatically filled with current information.

Type	Curve
Exported At	27/08/2024 09:16 EEST
Time Zone	EEST
Member	Bursa Romana de Marfuri S.A.
Portfolio	Testing Portofolio
Area	Romania Delivery Area
Currency	RON

- *Type*: Type of order.
- *Exported At*: Export time for the Excel sheet (no changes needed).
- *Time Zone*: Time zone for the bid (Time zone is determined by the User Settings)
- *Member*: Name of organization sending in the bids.
- *Portfolio*: Name of portfolio to submit bids for.
- *Area*: Which area to place bids in.
- *Currency*: Currency for the bids.

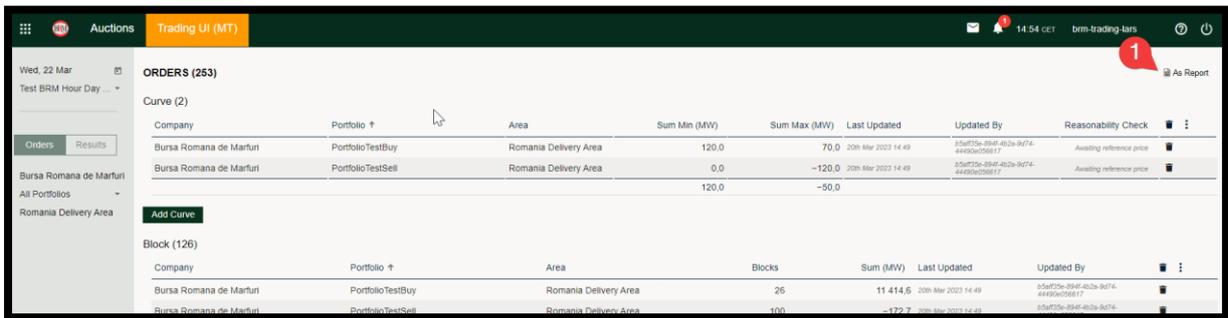
You will find templates for the chosen order types and portfolios in different tabs in the bottom left corner of the Excel sheet.

- Instructions will also appear in separate tabs of the Excel files, if the “Include Instructions” was selected when the template was downloaded.

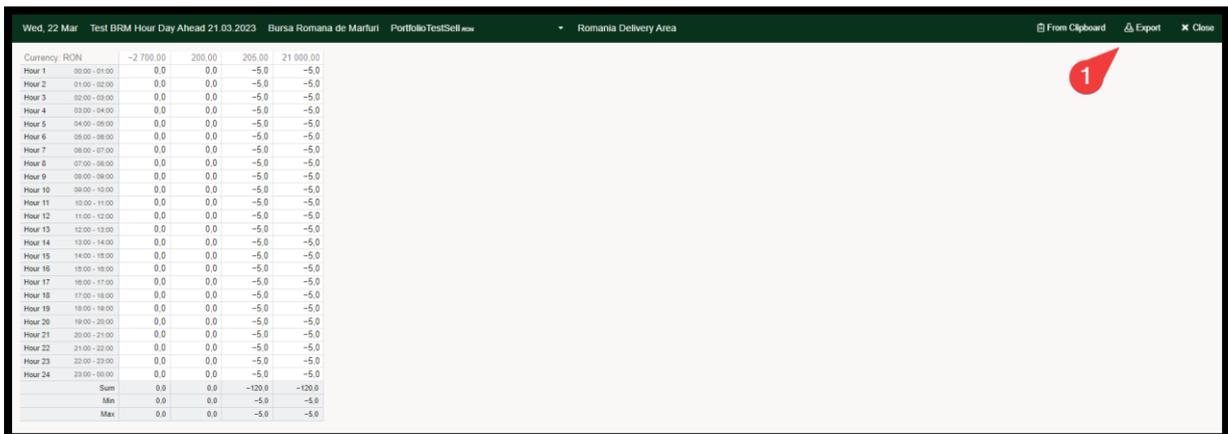


It is also possible to download the current orders you have submitted onto the platform. Two options exist:

- To export all orders already submitted in the platform, click "As report". This will export all orders submitted for the auction date selected.



To export a certain order, use the "Export" functionality from the order detail view.

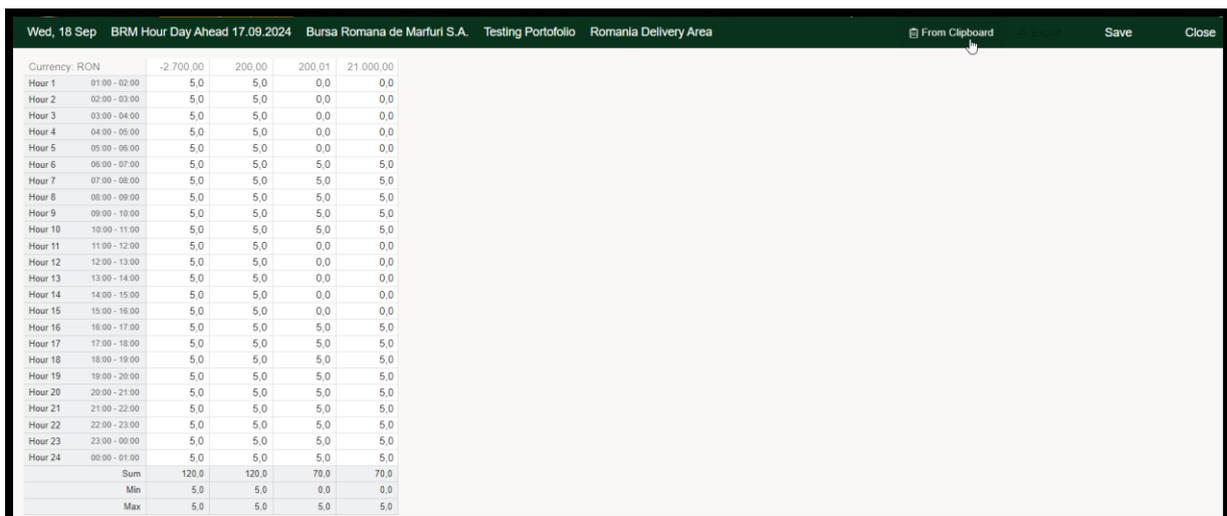


After exporting the orders from the platform, you are free to make changes in Excel and re-upload them again using the "Upload" or "Add" buttons.

## 2.2 Curve orders

### 2.2.1 How to submit Curve orders with the “Add curve” button

- Start by either **1)** downloading an empty Excel template or **2)** exporting an existing order.
- For further instructions on how to fill in the excel template, please see the instructions downloaded from the Auction platform or [this chapter](#)
- Enter orders and price steps in the Excel template
  - Positive volume = BUY
  - Negative volume = SELL
  - Minimum price (must be included) = -2 700 RON
  - Maximum price (must be included) = 21 000 RON
  - Tick size = 0,01 RON/MWh
  - Trade lot = 0,1 MW
  - Maximum 200 price steps
- In the Excel file, mark the price steps and the hourly volumes and press CTRL + C
- In the Auctions platform,
  - "Add Curve"
  - Select portfolio
  - Click "From Clipboard" (*can be skipped*)
  - press CTRL + V
  - "Save" and "Close"



Currency: RON	-2,700.00	200.00	200.01	21,000.00
Hour 1 01:00 - 02:00	5,0	5,0	0,0	0,0
Hour 2 02:00 - 03:00	5,0	5,0	0,0	0,0
Hour 3 03:00 - 04:00	5,0	5,0	0,0	0,0
Hour 4 04:00 - 05:00	5,0	5,0	0,0	0,0
Hour 5 05:00 - 06:00	5,0	5,0	0,0	0,0
Hour 6 06:00 - 07:00	5,0	5,0	5,0	5,0
Hour 7 07:00 - 08:00	5,0	5,0	5,0	5,0
Hour 8 08:00 - 09:00	5,0	5,0	5,0	5,0
Hour 9 09:00 - 10:00	5,0	5,0	5,0	5,0
Hour 10 10:00 - 11:00	5,0	5,0	5,0	5,0
Hour 11 11:00 - 12:00	5,0	5,0	0,0	0,0
Hour 12 12:00 - 13:00	5,0	5,0	0,0	0,0
Hour 13 13:00 - 14:00	5,0	5,0	0,0	0,0
Hour 14 14:00 - 15:00	5,0	5,0	0,0	0,0
Hour 15 15:00 - 16:00	5,0	5,0	0,0	0,0
Hour 16 16:00 - 17:00	5,0	5,0	5,0	5,0
Hour 17 17:00 - 18:00	5,0	5,0	5,0	5,0
Hour 18 18:00 - 19:00	5,0	5,0	5,0	5,0
Hour 19 19:00 - 20:00	5,0	5,0	5,0	5,0
Hour 20 20:00 - 21:00	5,0	5,0	5,0	5,0
Hour 21 21:00 - 22:00	5,0	5,0	5,0	5,0
Hour 22 22:00 - 23:00	5,0	5,0	5,0	5,0
Hour 23 23:00 - 00:00	5,0	5,0	5,0	5,0
Hour 24 00:00 - 01:00	5,0	5,0	5,0	5,0
Sum	120,0	120,0	70,0	70,0
Min	5,0	5,0	0,0	0,0
Max	5,0	5,0	5,0	5,0



Type	Curve			
Exported At	17/09/2024 10:48 EEST			
Time Zone	EEST			
Member	Bursa Romana de Marfuri S.A.			
Portfolio	Testing Portofolio			
Area	Romania Delivery Area			
Currency	RON			
Price Steps	-2700.00	200.00	200.01	21000.00
Hour 1	5.0	5.0	0.0	0.0
Hour 2	5.0	5.0	0.0	0.0
Hour 3	5.0	5.0	0.0	0.0
Hour 4	5.0	5.0	0.0	0.0
Hour 5	5.0	5.0	0.0	0.0
Hour 6	5.0	5.0	5.0	5.0
Hour 7	5.0	5.0	5.0	5.0
Hour 8	5.0	5.0	5.0	5.0
Hour 9	5.0	5.0	5.0	5.0
Hour 10	5.0	5.0	5.0	5.0
Hour 11	5.0	5.0	0.0	0.0
Hour 12	5.0	5.0	0.0	0.0
Hour 13	5.0	5.0	0.0	0.0
Hour 14	5.0	5.0	0.0	0.0
Hour 15	5.0	5.0	0.0	0.0
Hour 16	5.0	5.0	5.0	5.0
Hour 17	5.0	5.0	5.0	5.0
Hour 18	5.0	5.0	5.0	5.0
Hour 19	5.0	5.0	5.0	5.0
Hour 20	5.0	5.0	5.0	5.0
Hour 21	5.0	5.0	5.0	5.0
Hour 22	5.0	5.0	5.0	5.0
Hour 23	5.0	5.0	5.0	5.0
Hour 24	5.0	5.0	5.0	5.0





### 2.2.1 How to Fill in Curve Orders

Download Excel sheets as explained in “Introduction to Excel templates”

Find the sheet named "[portfolio name] Curve" and make your personalized bids:

Price Steps	-2700.00	200.00	203.00	207.00	209.80	211.50	214.10	214.90	215.00	21000.00
Hour 1	850.0	850.0	844.0	839.0	835.0	832.0	829.9	826.0	0.0	0.0
Hour 2	839.8	839.8	833.8	828.8	824.8	821.8	819.7	815.8	0.0	0.0
Hour 3	844.5	844.5	838.5	833.5	829.5	826.5	824.4	820.5	0.0	0.0
Hour 4	855.7	855.7	849.7	844.7	840.7	837.7	835.6	831.7	0.0	0.0
Hour 5	847.9	847.9	841.9	836.9	832.9	829.9	827.8	823.9	0.0	0.0
Hour 6	867.8	867.8	861.8	856.8	852.8	849.8	847.7	843.8	0.0	0.0
Hour 7	811.2	811.2	805.2	800.2	796.2	793.2	791.1	787.2	0.0	0.0
Hour 8	801.3	801.3	795.3	790.3	786.3	783.3	781.2	777.3	0.0	0.0
Hour 9	799.8	799.8	793.8	788.8	784.8	781.8	779.7	775.8	0.0	0.0
Hour 10	944.5	944.5	938.5	933.5	929.5	926.5	924.4	920.5	0.0	0.0
Hour 11	973.4	973.4	967.4	962.4	958.4	955.4	953.3	949.4	0.0	0.0
Hour 12	856.4	856.4	850.4	845.4	841.4	838.4	836.3	832.4	0.0	0.0
Hour 13	798.6	798.6	792.6	787.6	783.6	780.6	778.5	774.6	0.0	0.0
Hour 14	854.3	854.3	848.3	843.3	839.3	836.3	834.2	830.3	0.0	0.0
Hour 15	863.4	863.4	857.4	852.4	848.4	845.4	843.3	839.4	0.0	0.0
Hour 16	874.4	874.4	868.4	863.4	859.4	856.4	854.3	850.4	0.0	0.0
Hour 17	866.1	866.1	860.1	855.1	851.1	848.1	846.0	842.1	0.0	0.0
Hour 18	849.7	849.7	843.7	838.7	834.7	831.7	829.6	825.7	0.0	0.0
Hour 19	851.1	851.1	845.1	840.1	836.1	833.1	831.0	827.1	0.0	0.0
Hour 20	761.7	761.7	755.7	750.7	746.7	743.7	741.6	737.7	0.0	0.0
Hour 21	695.4	695.4	689.4	684.4	680.4	677.4	675.3	671.4	0.0	0.0
Hour 22	600.4	600.4	594.4	589.4	585.4	582.4	580.3	576.4	0.0	0.0
Hour 23	708.4	708.4	702.4	697.4	693.4	690.4	688.3	684.4	0.0	0.0
Hour 24	945.5	945.5	939.5	934.5	930.5	927.5	925.4	921.5	0.0	0.0

- Price Steps**

The first row in the screenshot above shows the price steps.

Minimum and maximum price is included by default and must always have their own columns even though you have no volumes in these (depending on sell or buy bid).

It is possible to have up to 200 price steps (including the minimum and maximum prices).

- Volume**

Insert volumes (MW) for each Power Hour and corresponding price step to make your Curve Orders.

Positive (+) volume means buy bids, and negative (-) volume means sell bids.

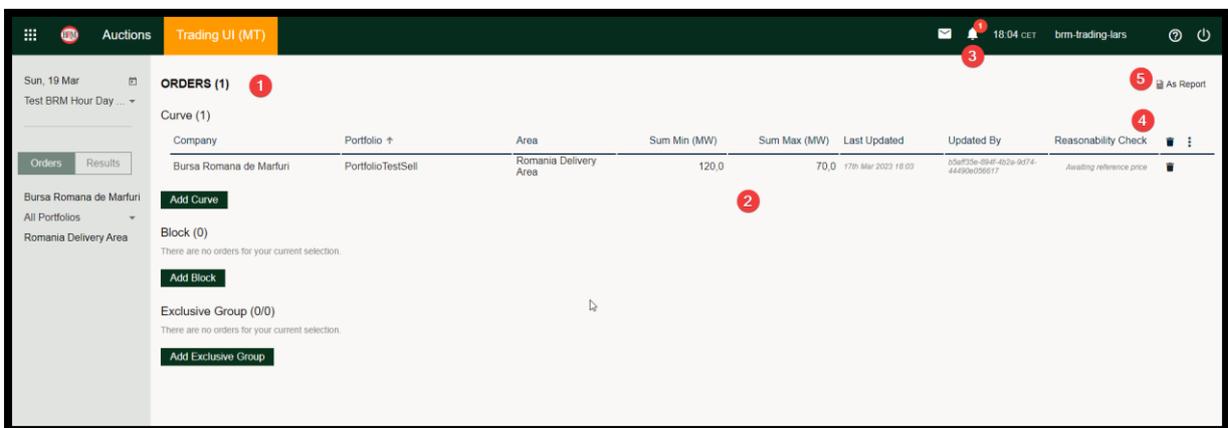
If you leave a volume field empty, the platform will read it as a zero.

Hour 1 is 00:00 - 01:00 CET, Hour 2 is 01:00 - 02:00 CET, and so on.

## 2.2.2 Upload orders using Excel templates

- Start by either **1)** downloading an empty Excel template or **2)** exporting an existing order
- How to download an empty Excel template and export existing order is described in [this chapter](#)
- Fill in the Excel templates according to [this chapter](#) (curve order) and/or [this chapter](#) (block order)
- Save the order file on your computer
- "Upload" and either **1)** drag and drop the file, or **2)** "Select from your computer"

## 2.2.3 Order overview after placing orders



Company	Portfolio	Area	Sum Min (MW)	Sum Max (MW)	Last Updated	Updated By	Reasonability Check
Bursa Romana de Marfuri	PortfolioTestSell	Romania Delivery Area	120,0	70,0	17th Mar 2023 18:03	50a8730e-034f-4b2a-9d74-44690c096177	Awaiting reference price

1. Order count
2. Sum at Min and Max price
3. Notifications
4. Cancel orders and Reasonability check
5. Download orders to excel (can then easily be resubmitted for another day)

## 2.3 Block Orders

You can submit and update Block orders in four different ways:

1. Create/update your order in an Excel file, and thereafter copy the orders and paste them directly into the Web UI with the "Add Block" button.
2. Upload an order using our Excel templates with the Upload button
3. Manually enter orders directly in the Web UI (only regular blocks)
4. Copy orders from the past

### 2.3.1 How to submit Block orders from copy/paste ("Add Block" button)

- Start by either **1)** downloading an empty Excel template or **2)** exporting an existing order.

- Enter block order(s) in the Excel template by filling in name, from, to, volume (if profile block, leave this field blank and fill in volume under the relevant hours instead), price and minimum acceptance ratio %.
- For further instructions on how to fill in the excel template, please see the instructions downloaded from the Auction platform or [this chapter](#)
- In the Excel file, mark the cells containing the block order information (see picture below) and press CTRL+C

In the Auctions platform,

- "Add Block"
- Select portfolio
- Click "From Clipboard" and press CTRL + V
- "Save"

Type: Block		Exported At: 17/09/2024 13:41 EEST		Time Zone: EEST		Member: Bursa Romana de Marfuri S.A.		Portfolio: Testing Portofolio		Area: Romania Delivery Area		Currency: RON		Profile													
Name	From	To	Volume	Price	Min.%	Link	Spread	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5	Hour 6	Hour 7	Hour 8	Hour 9	Hour 10	Hour 11	Hour 12	Hour 13	Hour 14						
Buy 1	6:00	15:00	100.00	100.00	30.0%																						
Sell 1	0:00	0:00	-100.00	100.00	100.0%										40	40	0	0	0	60	70	80					
Spread1	0:00	4:00	40.00	40.00	100.0%	Spread2	TRUE	-50	-60	-40	-50																
Spread2	4:00	8:00	50.00	50.00	100.0%	Spread1	TRUE					50	60	40	50												
Sell 2	4:00	8:00	60.00	100.0%	Sell 1							-50	-60	-40	-50												
Sell 3	12:00	13:00	-100.00	40.00	50.0%	Sell 2																					
Sell 4	12:00	13:00	-100.00	30.00	40.0%	Sell 3																					

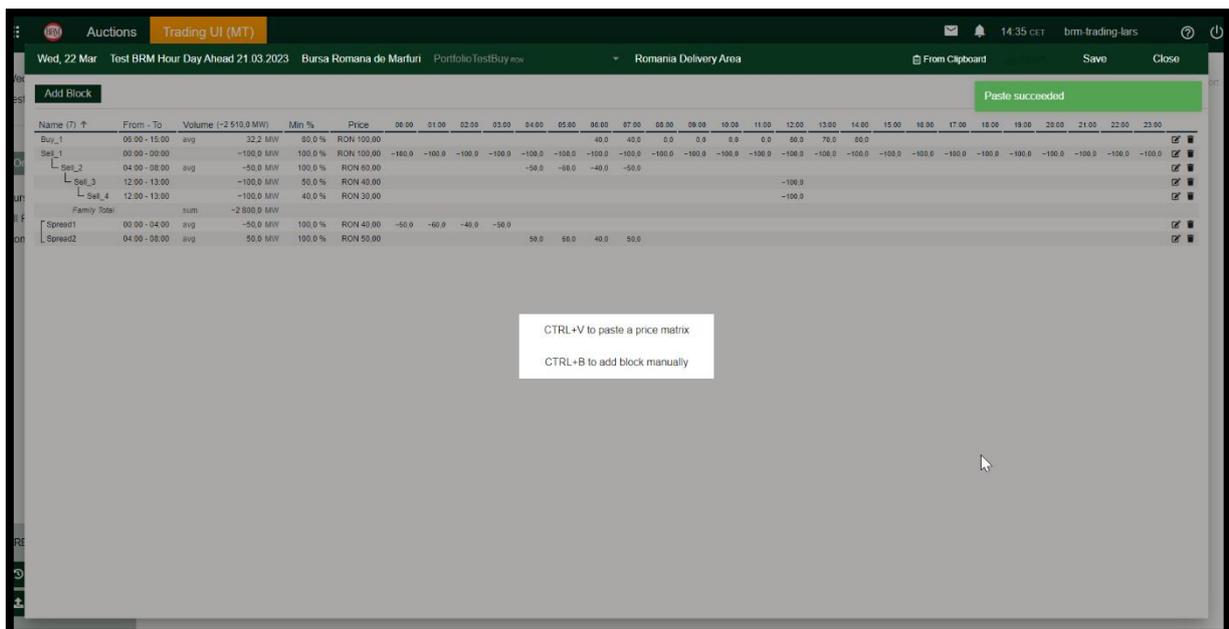
### 2.3.2 How to manually enter Block orders directly in the Web UI ("Add block" button)

Click "Add Block" in the Orders view

Click "Add Block" to open the "add block" modal or type CTRL +B.

Fill all required fields and add block by clicking "Done".

- Create a linked block by linking your block to an existing parent block in the optional Link Block field.



The screenshot shows the 'Add Block' modal in the BRM Trading UI. The modal has a title bar with 'Auctions' and 'Trading UI (MT)'. Below the title bar, there's a navigation bar with 'Wed, 22 Mar', 'Test BRM Hour Day Ahead 21.03.2023', 'Bursa Romana de Marfuri', 'Portfolio: TestBuy row', and 'Romania Delivery Area'. The main content area is titled 'Add Block' and contains a table with the following columns: Name (7), From, To, Volume (2,510.0 MW), Min %, Price, and a grid of hours from Hour 1 to Hour 14. The table contains several rows of data, including 'Buy 1', 'Sell 1', 'Sell 2', 'Sell 3', 'Sell 4', 'Family Total', 'Spread1', and 'Spread2'. A green 'Paste succeeded' message is displayed at the top right of the modal. At the bottom center, a white tooltip box contains the text: 'CTRL+V to paste a price matrix' and 'CTRL+B to add block manually'.



Wed, 18 Sep BRM Hour Day Ahead 17.09.2024 Bursa Romana de Marfuri S.A. Testing Portofolio Romania Delivery Area

Add Block

Block Name

Volume (MW) Min % Price (lei)

Link Block

From To

Done

Profile (MW)

01.00	02.00	03.00	04.00	05.00	06.00	07.00	08.00	09.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

Submit an order by pasting from clipboard or start adding blocks manually above

- Save your changes by clicking "Save".

Wed, 18 Sep BRM Hour Day Ahead 17.09.2024 Bursa Romana de Marfuri S.A. Testing Portofolio Romania Delivery Area

Add Block

Block Name

Volume (MW) Min % Price (lei)

100,0 MW 100,0 % 300,00 lei

Link Block

From To

04.00 11.00

Done

Profile (MW)

01.00	02.00	03.00	04.00	05.00	06.00	07.00	08.00	09.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	
			100,0	100,0	100,0	100,0	100,0	100,0	100,0														

Submit an order by pasting from clipboard or start adding blocks manually above

Wed, 18 Sep BRM Hour Day Ahead 17.09.2024 Bursa Romana de Marfuri S.A. Testing Portofolio Romania Delivery Area

From Clipboard Save Close

Add Block Validation successful

Name (1) ↑	From - To	Volume (700,0 MW)	Min %	Price	01.00	02.00	03.00	04.00	05.00	06.00	07.00	08.00	09.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	00.00
Test Block	04.00 - 11.00	100,0 MW	100,0 %	300,00 RON				100,0	100,0	100,0	100,0	100,0																



### 2.3.3 How to Fill in Block Orders

Download Excel sheets as explained in “Introduction to Excel templates”. Find the sheet named “[portfolio name] Block” and make your personalized bids:

#### Block Orders

- *Name*: choose a unique name for each of your blocks.
- *From* and *To*: Indicates the start and stop time of the block.
- *Volume*: MW to bid for the selected period.
- *Price*: Strike price for selected block.
- *Minimum acceptance ratio %*: A defined percentage that the block can be curtailed down to. Leaving Min.% column. blank means a MAR (Minimum Acceptance Ratio) at 100%.
- *Link*: Not used for normal blocks and must be left empty.
- *Hour 1-24*: Not used for normal blocks and must be left empty.

#### Profile Blocks

- *Name*: choose a unique name for each of your blocks.
- *From* and *To*: Indicates the start and stop time of the block.
- *Volume*: Leave empty.
- *Price*: Strike price for selected block.
- *Minimum acceptance ratio %*: A defined percentage that the block can be curtailed down to. Leaving Min.% column. blank means a MAR at 100%.
- *Link*: This profile block is not linked, so must be left empty.
- *Hour 1-24*: Insert MW bids for each hour indicated in *From* and *To*.

#### Linked Blocks

- *Name*: choose a unique name for each of your blocks.
- *From* and *To*: Indicates the start and stop time of the block.
- *Volume*: MW to bid for the selected period.
- *Price*: Strike price for selected block.
- *Minimum acceptance ratio %*: A defined percentage that the block can be curtailed down to. Leaving Min.% column. blank means a MAR at 100%.
- *Link*: Chose the block name you want to be the parent of the current block (block becomes child).
- *Hour 1-24*: This block is not linked, so must be left empty.

#### Spread Blocks

- *Name*: choose a unique name for each of your blocks
- *From* and *To*: Indicates the start and stop time of the block.
- *Volume*: MW to bid for the selected period.
- *Price*: Strike price for selected block.
- *Minimum acceptance ratio %*: A defined percentage that the block can be curtailed down to. Leaving Min.% column blank means a MAR at 100%.
- *Link*: Chose the block name you want to mutually link the block to.
- *SpreadBlock*: Fill in TRUE.
- *Hour 1-24*: This block is not linked, so must be left empty.



Examples

All examples show times in CET

**Example of regular blocks:**

Name	From	To	Volume	Price	Min.%	Link	SpreadBlock	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5
Block1	10:00	15:00	-300.0	25.00	70.0%							
Block2	11:00	16:00	-100.0	35.00	95.0%							

**Example of profile blocks:**

Name	From	To	Volume	Price	Min.%	Link	SpreadBlock	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5
Profile1	00:00	02:00		20.00				-25.0	-50.0			
Profile2	00:00	05:00		20.00	75.0%			-50.0	-100.0	-100.0	-50.0	-50.0

**Example of linked blocks (both regular and profile):**

Name	From	To	Volume	Price	Min.%	Link	SpreadBlock	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5
Block1	10:00	15:00	-300.0	25.00								
Block2	11:00	16:00	-200.0	35.00		Block1						
Block3	12:00	17:00	-100.0	45.00		Block2						
Profile1	00:00	02:00		20.00				-25.0	-50.0			
Profile2	00:00	03:00		20.00		Profile1		-35.0	-80.0	-80.0		
Profile3	00:00	05:00		20.00		Profile2		-50.0	-100.0	-100.0	-50.0	-50.0

**Example of spread blocks (both regular and profile):**

Name	From	To	Volume	Price	Min.%	Link	SpreadBlock	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5
Block1	10:00	15:00	-300.0	25.00		Block2	TRUE					
Block2	11:00	16:00	-200.0	35.00		Block1	TRUE					
Profile1	00:00	02:00		20.00		Profile2	TRUE	-25.0	-50.0			
Profile2	00:00	05:00		20.00		Profile1	TRUE	-35.0	-80.0	-80.0	-35.0	-35.0

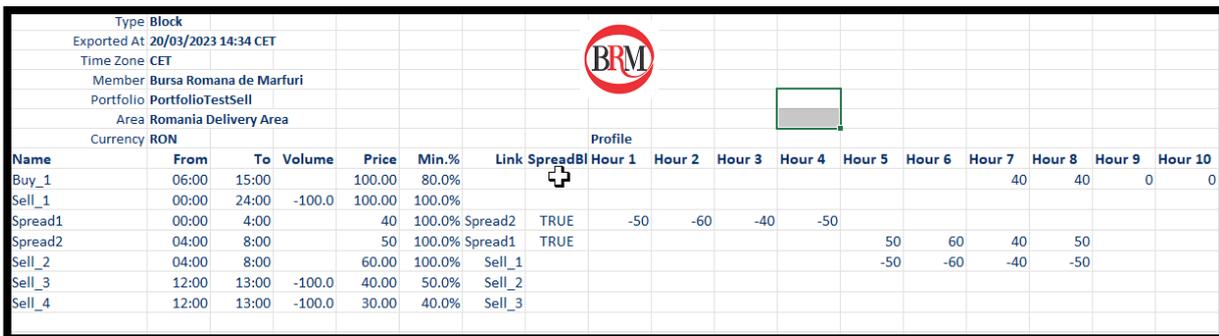
2.3.4 Cancelling individual block orders via the UI:

Cancelling individual Block orders is done by simply clicking on the delete icon highlighted below. Deleting a block order in a linked block automatically deletes all the block linked under it. Deleting one part of a spread order deletes the whole spread order.

The screenshot shows a detailed view of the auction interface. At the top, it displays the date 'Wed, 22 Mar' and the test environment 'Test BRM Hour Day Ahead 21.03.2023'. The main table lists various block orders with columns for Name, From-To, Volume, Min%, Price, and hourly volumes from 00:00 to 23:00. A 'Delete' icon is highlighted in the rightmost column for several rows, including 'ProfileBuyBlock9', 'ProfileBuyBlock14', 'ProfileBuyBlock20', 'ProfileBuyBlock42', 'ProfileBuyBlock56', 'ProfileBuyBlock70', 'ProfileBuyBlock84', 'ProfileBuyBlock98', 'ProfileBuyBlock7', 'ProfileBuyBlock21', 'ProfileBuyBlock35', 'ProfileBuyBlock49', 'ProfileBuyBlock63', 'ProfileBuyBlock77', 'ProfileBuyBlock91', 'RegularBuyBlock2', 'RegularBuyBlock4', 'RegularBuyBlock6', 'RegularBuyBlock8', 'RegularBuyBlock10', 'RegularBuyBlock12', 'RegularBuyBlock16', 'RegularBuyBlock18', 'RegularBuyBlock20', 'RegularBuyBlock24', 'RegularBuyBlock26', 'RegularBuyBlock30', 'RegularBuyBlock32', 'RegularBuyBlock34', 'RegularBuyBlock36', 'RegularBuyBlock38', 'RegularBuyBlock40', 'RegularBuyBlock44', 'RegularBuyBlock46', 'RegularBuyBlock48', 'RegularBuyBlock50', and 'RegularBuyBlock52'.

### 2.3.5 How to submit a Block order from Excel templates ("Upload" button)

- Start by either **1)** downloading an empty Excel template or **2)** exporting an existing order. For further instructions, please see section «introduction to Excel Templates»
- Enter block order(s) in the Excel template by filling in name, from, to, volume (if profile block, leave this field blank and fill in volume under the relevant hours instead), price and minimum acceptance ratio %.
- Save the order file on your computer
- Click "Upload" in the bottom left corner of the platform and either **1)** drag and drop the file, or **2)** "Select from your computer"



The screenshot shows an Excel spreadsheet with the following data:

Type Block																		
Exported At: 20/03/2023 14:34 CET																		
Time Zone: CET																		
Member: Bursa Romana de Marfuri																		
Portfolio: PortfolioTestSell																		
Area: Romania Delivery Area																		
Currency: RON																		
Profile																		
Name	From	To	Volume	Price	Min.%	Link	Spread	Bl	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5	Hour 6	Hour 7	Hour 8	Hour 9	Hour 10
Buy_1	06:00	15:00		100.00	80.0%										40	40	0	0
Sell_1	00:00	24:00	-100.0	100.00	100.0%													
Spread1	00:00	4:00		40	100.0%	Spread2	TRUE		-50	-60	-40	-50						
Spread2	04:00	8:00		50	100.0%	Spread1	TRUE						50	60	40	50		
Sell_2	04:00	8:00		60.00	100.0%	Sell_1							-50	-60	-40	-50		
Sell_3	12:00	13:00	-100.0	40.00	50.0%	Sell_2												
Sell_4	12:00	13:00	-100.0	30.00	40.0%	Sell_3												

Orders can be amended by uploading a new version of Excel templates. Blocks with identical names as orders already submitted will be updated, not doubled.

## 2.4 Exclusive Group Orders

Download Excel sheets as explained in “Introduction to Excel templates”

Find the sheet named "[portfolio name] Exclusive" and make your personalized bids:

Name	From	To	Volume	Price	Min. %	Exclusive Group
EG Block 1	7:00	12:00	40.0	30.00	100%	Group 1
EG Block 2	7:00	12:00	40.0	35.00	100%	Group 2
EG Block 3	12:00	18:00	40.0	35.00	100%	Group 3
EG Block 4	13:00	20:00	40.0	35.00	100%	Group 4

### Exclusive Group Orders

- *Name*: choose a unique name for each of your blocks.
- *From* and *To*: Indicates the start and stop time of the block.
- *Volume*: MW to bid for the selected period.
- *Price*: Strike price for selected block.
- *Minimum acceptance ratio %*: A defined percentage that the block can be curtailed down to.
- *Exclusive Group*: Insert the name of the Exclusive Group you want this block to be a part of.

### What is an Exclusive Group?

An Exclusive Group is a group of Block Orders of which maximum of one will be activated.

- Acceptance rules are the same as for regular Blocks
- A sales Block will be accepted if the average price is higher than that which you have defined as your minimum price, and vice versa for buy Blocks
- If you have several Blocks in your Exclusive Group which are within your price limit, the Block giving the highest social welfare will be accepted
- A Block can be partially accepted if you have defined a Minimum Acceptance Ratio below 100%
- Blocks in an Exclusive Group can be paradoxically rejected

#### Exclusive Group rules:

- The limit on number of exclusive groups and blocks within exclusive groups are found in the product specifications for our respective markets, found [here](#)
- You can add a profile and Minimum Acceptance Ratio to the Blocks in your Exclusive Group
- Blocks in an Exclusive Groups cannot be linked

## 2.5 How to submit Flexi Orders

Download Excel sheets as explained in “Introduction to Excel templates”. Flexi Orders is synthetic order type meaning that they are created by structuring exclusive group orders a certain way, as shown below.

Find the sheet named "[portfolio name] Exclusive" and make your personalized bids:

Name	From	To	Volume	Price	Min. %	Exclusive Group
Block 1	00:00	04:00	10,0	69,20	100,0%	Group 1
Block 2	01:00	05:00	10,0	81,20	100,0%	Group 1
Block 3	02:00	06:00	10,0	83,70	100,0%	Group 1

This will create the following flexi order:

Add Regular Block		Add Flexible Block											
Block Name	Volume	Min %	Price	Exclusive Group	From	To						Add Block	
Name (3) ↑	From - To	Volume (120,0 MW)	Min %	Price	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00
Group 1 (3)													
Block 1	00:00 - 04:00	10,0 MW	100,0 %	kr 69,20	10,0	10,0	10,0						
Block 2	01:00 - 05:00	10,0 MW	100,0 %	kr 81,20	10,0	10,0	10,0	10,0					
Block 3	02:00 - 06:00	10,0 MW	100,0 %	kr 83,70		10,0	10,0	10,0	10,0				

### Flexi Orders

- *Name*: choose a unique name for each of your blocks.
- *From* and *To*: Indicates the start and stop time of the block.
- *Volume*: MW to bid for the selected period.
- *Price*: Strike price for selected block.
- *Minimum acceptance ratio %*: A defined percentage that the block can be curtailed down to.



- *Exclusive Group*: Insert the name of the Exclusive Group you want this block to be a part of.

## 2.6 How to submit orders – Spread Blocks

**Spread Blocks** is an order type using linked blocks, where a pair of buy and sell blocks are mutually linked. In a spread block, both blocks are either accepted or rejected. This order type is asked for specifically related to battery/pump/storage assets where it makes sense to have one “charging period” and one “discharging period”. One of the blocks has to be a buy block and the other block has to be a sell block.

You can have 3 Spread blocks pairs per portfolio.

### Ways to submit spread blocks:

You can submit and update Spread Blocks in three different ways:

1. You can create/update your order in an Excel file, and thereafter copy the orders and paste directly into the application
2. You can upload an order using our Excel templates
3. Copy orders from the past

Spread blocks cannot be submitted through the UI

### Copy and paste curve Spread Block from an Excel file

- Start by either 1) downloading an empty Excel template or 2) exporting an existing order
- How to download an empty Excel template and export existing order is described in this [link](#)
- Enter from and to period, volume, MAR and price in the Excel template
  - Positive volume = BUY
  - Negative volume = SELL
  - Tick size = 0,01 EUR/MWh \*
  - Trade lot = 0,1 MW

\* Currency is auction dependent

- In the Excel file attached at the bottom of the page and shown below, mark the Spread Block order and press Ctrl + c
- In the Auctions platform,
  - "Add Block"
  - Select portfolio
  - CTRL + V
  - Will look like this when using the example

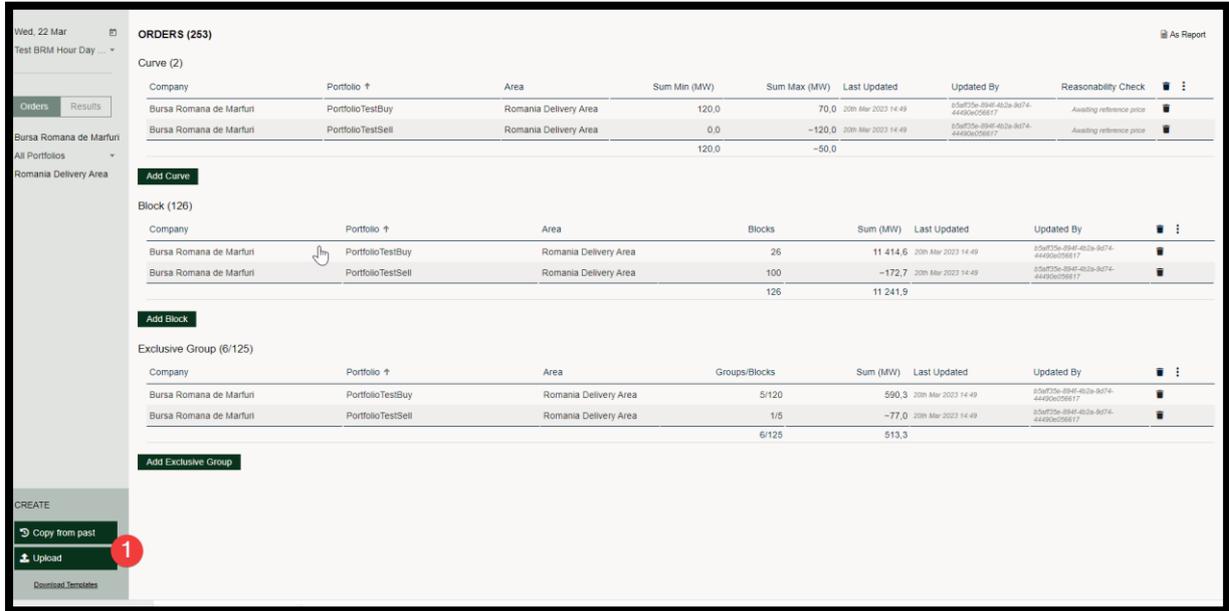
Type Block															
Exported At 20/03/2023 14:34 CET															
Time Zone CET															
Member Bursa Romana de Marfuri															
Portfolio PortfolioTestSell															
Area Romania Delivery Area															
Currency RON															
							Profile								
Name	From	To	Volume	Price	Min.%	Link SpreadBl	Hour 1	Hour 2	Hour 3	Hour 4	Hour 5	Hour 6	Hour 7	Hour 8	Hour 9
Spread1	00:00	4:00		40	100.0%	Spread2	TRUE	-50	-60	-40	-50				
Spread2	04:00	8:00		50	100.0%	Spread1	TRUE				50	60	40	50	

- After you validate the order press Save.

## 2.7 How to copy orders from the past

The "Copy from past" functionality works for all order types.

From the main overview, click the "Copy from past" button on the bottom left-hand side.

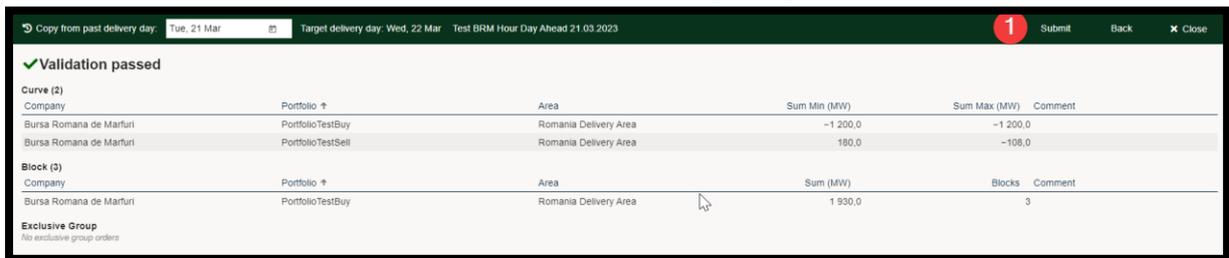


From the calendar, choose the delivery date in the past from which you want to copy your orders.

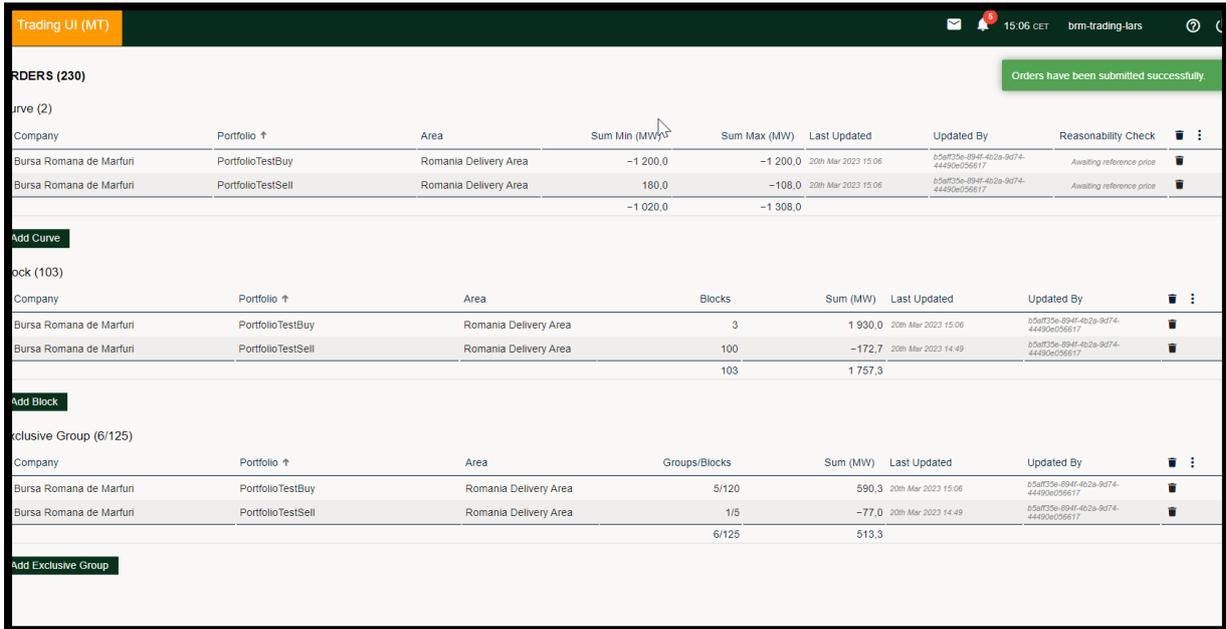


Select which orders to copy and click "Copy"

After the orders have been validated, click "Submit" to place your orders



The selected orders have been successfully submitted



Trading UI (MT) 15:06 CET brm-trading-lars

**ORDERS (230)** Orders have been submitted successfully.

Curve (2)

Company	Portfolio ↑	Area	Sum Min (MW)	Sum Max (MW)	Last Updated	Updated By	Reasonability Check	⋮
Bursa Romana de Marfuri	PortfolioTestBuy	Romania Delivery Area	-1 200,0	-1 200,0	20th Mar 2023 15:06	b5a8735e-894f-4b2a-9d74-44493e056817	Awaiting reference price	⋮
Bursa Romana de Marfuri	PortfolioTestSell	Romania Delivery Area	180,0	-108,0	20th Mar 2023 15:06	b5a8735e-894f-4b2a-9d74-44493e056817	Awaiting reference price	⋮
			-1 020,0	-1 308,0				

Add Curve

Block (103)

Company	Portfolio ↑	Area	Blocks	Sum (MW)	Last Updated	Updated By	⋮
Bursa Romana de Marfuri	PortfolioTestBuy	Romania Delivery Area	3	1 930,0	20th Mar 2023 15:06	b5a8735e-894f-4b2a-9d74-44493e056817	⋮
Bursa Romana de Marfuri	PortfolioTestSell	Romania Delivery Area	100	-172,7	20th Mar 2023 14:49	b5a8735e-894f-4b2a-9d74-44493e056817	⋮
			103	1 757,3			

Add Block

Exclusive Group (6/125)

Company	Portfolio ↑	Area	Groups/Blocks	Sum (MW)	Last Updated	Updated By	⋮
Bursa Romana de Marfuri	PortfolioTestBuy	Romania Delivery Area	5/120	590,3	20th Mar 2023 15:06	b5a8735e-894f-4b2a-9d74-44493e056817	⋮
Bursa Romana de Marfuri	PortfolioTestSell	Romania Delivery Area	1/5	-77,0	20th Mar 2023 14:49	b5a8735e-894f-4b2a-9d74-44493e056817	⋮
			6/125	513,3			

Add Exclusive Group

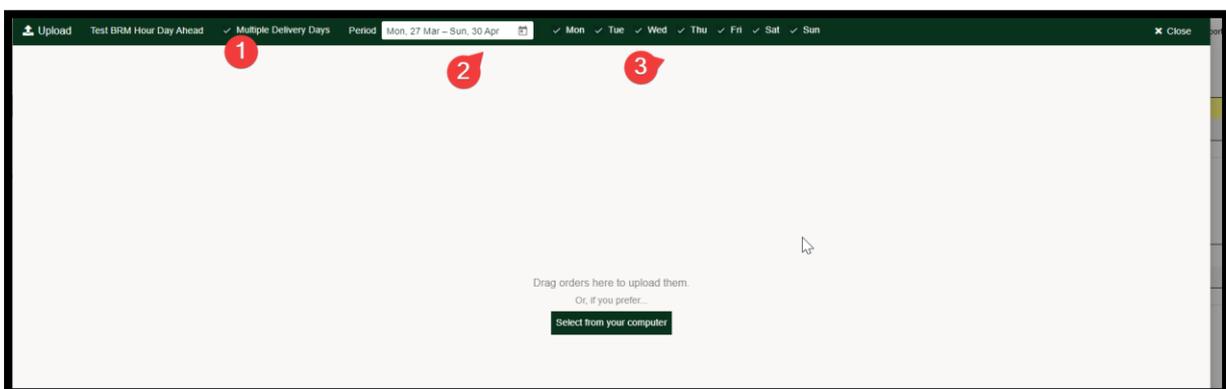
## 2.8 How to submit multiple delivery days

You can submit orders for multiple delivery days, from the current month to the end of the next month (i.e., from 01.12-31.01)

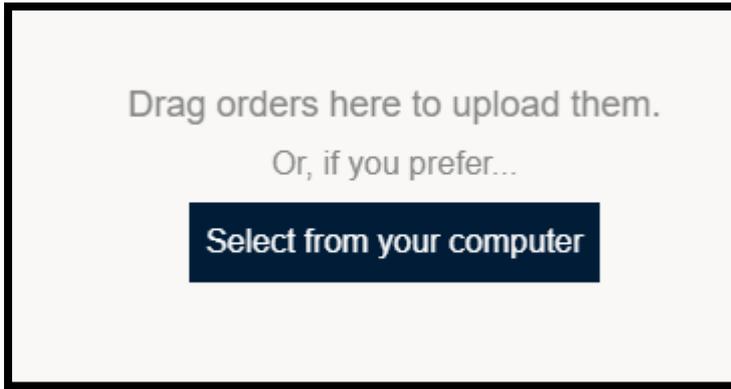
1. In the Auction UI, click on the Upload button.

2. Once you have uploaded your bids, the following screen will appear.

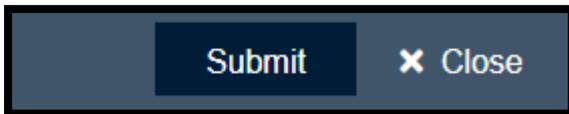
1. Start by clicking on the "Multiple Delivery Days"
2. Choose the period you want to submit bids for.
3. You can choose to submit for the entire week, or untick certain days for submission (i.e., untick for Saturday and Sunday).



3. Once you have selected the delivery dates, you can either drag orders to upload or select a file from your computer.



4. Click Submit.



## 2.9 Reasonability check tool in Day-Ahead Trading UI

### Background

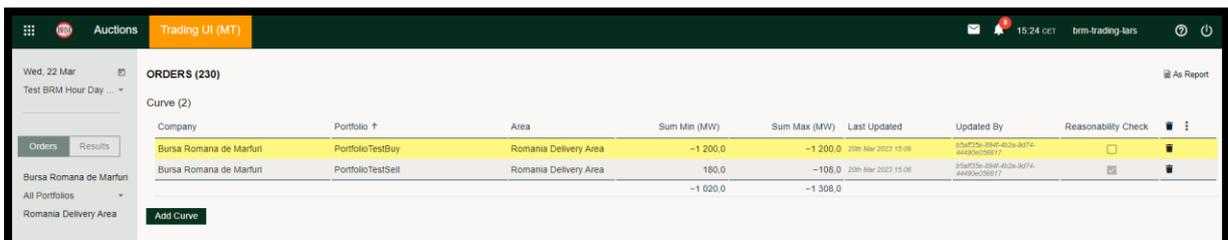
Reasonability check is a service, where submitted curve orders are compared with previous trading days. A substantial deviation based on the reference day price will flag the submitted curve order, thus making it easier to identify erroneous bids. Similar functionality is also available on the BRM Operator UI side.

Members will be notified directly in the Trading UI if their orders deviate from previous days. In case a curve order does not pass the reasonability check, it will be flagged and shown with a yellow bar. From the curve order detail view, participants will have access to view the values from the Reasonability check calculation for the flagged hours.

### Flagged order

- a. When an order is flagged, it is highlighted (in yellow) in the Trading UI. The member can “approve” the order from this view, if wanted.

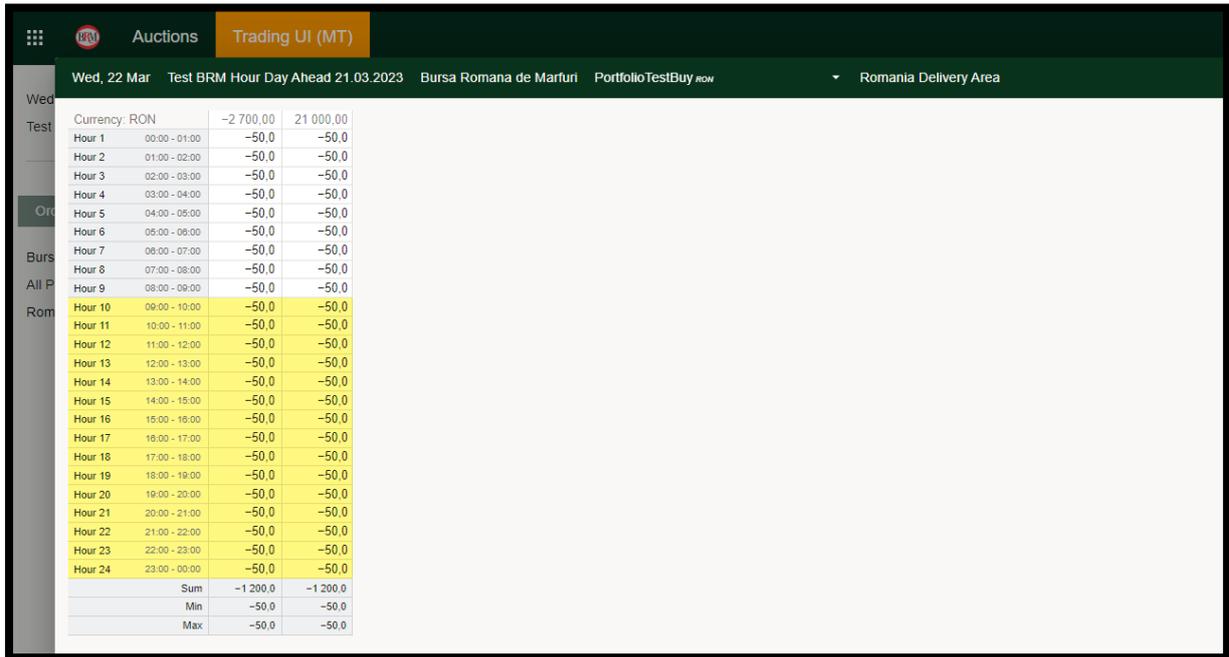
*Note that the approval has nothing to do with the order being accepted in the orderbook or not. Orders market in yellow are part of the orderbook, it just highlights that it deviates from the volume at reference price.*



Company	Portfolio	Area	Sum Min (MW)	Sum Max (MW)	Last Updated	Updated By	Reasonability Check
Bursa Romana de Marfuri	PortfolioTestBuy	Romania Delivery Area	-1 200.0	-1 200.0	20th Mar 2023 15:06	sdm15be.09af.4b2a.9d74-44493e058117	<input type="checkbox"/>
Bursa Romana de Marfuri	PortfolioTestSell	Romania Delivery Area	160.0	-108.0	20th Mar 2023 15:06	sdm15be.09af.4b2a.9d74-44493e058117	<input type="checkbox"/>
			-1 020.0	-1 308.0			

- b. When the member clicks the portfolio to see the order detail view, the flagged hour(s) are shown in yellow. The member can hover over the flagged hour to see the

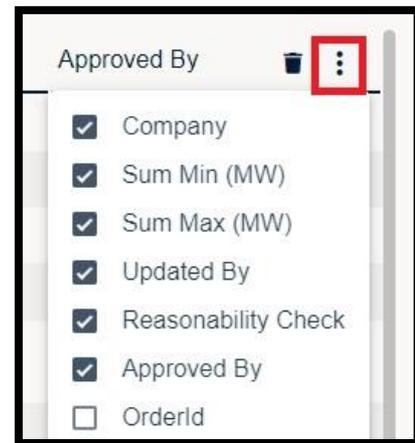
reference day, reference price and the volume deviation. The same volume deviation is also shown in the Operator UI on BRM side.



Hour	Start Time	End Time	Value 1	Value 2
Hour 1	00:00	01:00	-50.0	-50.0
Hour 2	01:00	02:00	-50.0	-50.0
Hour 3	02:00	03:00	-50.0	-50.0
Hour 4	03:00	04:00	-50.0	-50.0
Hour 5	04:00	05:00	-50.0	-50.0
Hour 6	05:00	06:00	-50.0	-50.0
Hour 7	06:00	07:00	-50.0	-50.0
Hour 8	07:00	08:00	-50.0	-50.0
Hour 9	08:00	09:00	-50.0	-50.0
Hour 10	09:00	10:00	-50.0	-50.0
Hour 11	10:00	11:00	-50.0	-50.0
Hour 12	11:00	12:00	-50.0	-50.0
Hour 13	12:00	13:00	-50.0	-50.0
Hour 14	13:00	14:00	-50.0	-50.0
Hour 15	14:00	15:00	-50.0	-50.0
Hour 16	15:00	16:00	-50.0	-50.0
Hour 17	16:00	17:00	-50.0	-50.0
Hour 18	17:00	18:00	-50.0	-50.0
Hour 19	18:00	19:00	-50.0	-50.0
Hour 20	19:00	20:00	-50.0	-50.0
Hour 21	20:00	21:00	-50.0	-50.0
Hour 22	21:00	22:00	-50.0	-50.0
Hour 23	22:00	23:00	-50.0	-50.0
Hour 24	23:00	00:00	-50.0	-50.0
Sum			-1 200.0	-1 200.0
Min			-50.0	-50.0
Max			-50.0	-50.0

The reasonability check assist is directly linked to the list of flagged orders in the BRM Operator UI. If a BRM Operator approves a flagged order, the order is also approved on the Trading UI side (meaning it will not be marked in yellow). And vice versa, if the member approves in the Trading UI, the order is marked as approved on the Operator UI side.

- c. Tick “approved by” in the drop-down menu to view who approved your order.



*Note that manual approval from Operator is done on best effort and that the responsibility to submit correct orders lies with the member.*

### Validation rules

Current reasonability check consists of three chained calculations for all time periods of a curve order in order to pass the validation. An order will be flagged if none of the three calculations are passed. The calculations executed are following (in order):

1. **Absolute volume difference**
2. **Percentage difference**
3. **Standard Deviation**

Any curve order change (new or update to existing) will trigger an asynchronous calculation of the reasonability results. For all calculation methods, a reference day is used to define prices (and orders for some calculation methods) to be used as part of calculations to see if there is significant difference in the order compared to the historical orders. Reference day is defined with following principles:

- If Delivery Day is a weekday, the previous weekday with results is used as reference day price.
  - Example: For delivery day Tuesday (trading day Monday), results for delivery day Monday (trading day Sunday) are used as reference day price.
- If Delivery Day is a weekend day, the previous weekend day with results is used as reference day price.
  - Example: For delivery day Sunday (trading day Saturday), results for delivery day Saturday (trading day Friday) are used as reference day price.

**NOTE:** There is no established logic to handle bank holidays. This may lead to more orders being flagged by reasonability check tool due the reference orders and prices corresponding with “normal” workdays rather than weekend or public holidays.

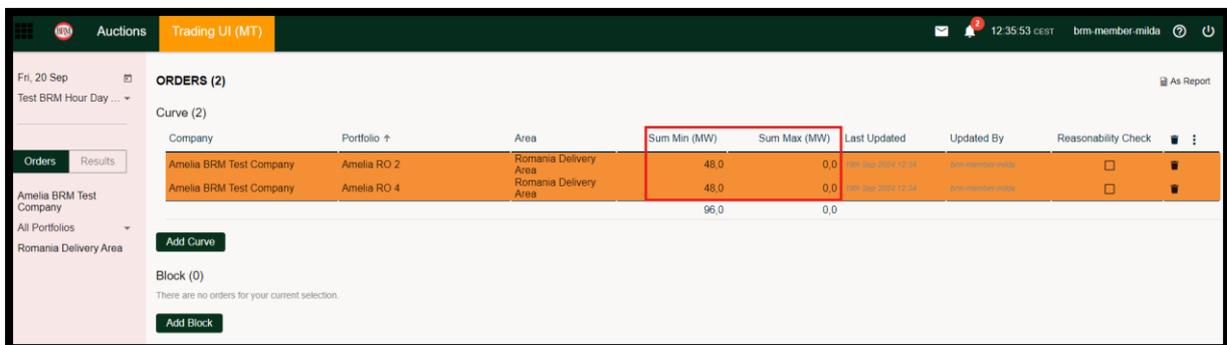
**Important remark:** Reasonability check tool does not prevent any orders from being part of the auction. It is meant as a tool to help distinguish anomalies compared to normal behavior in member bids, so that members can adjust/remove their bids before GCT (Gate Closure Time) if needed.

## 2.10 Identical Sum Min & Sum Max values in Day-Ahead Trading UI

The system checks the curve orders from all portfolios in all areas the user has access to. Curve orders with the identical Sum Min & Sum Max values will be highlighted in the Auction platform trading UI with an orange color to alert the user on possible unwanted copy paste errors while submitting curve orders. Users are advised to check that the orders are correct.

### Flagged order

When an order is flagged, it is highlighted (in orange) in the Trading UI.



When the member holds the mouse cursor over the order marked in orange, an additional box will appear with information about other orders with the same Sum Min & Sum Max values.

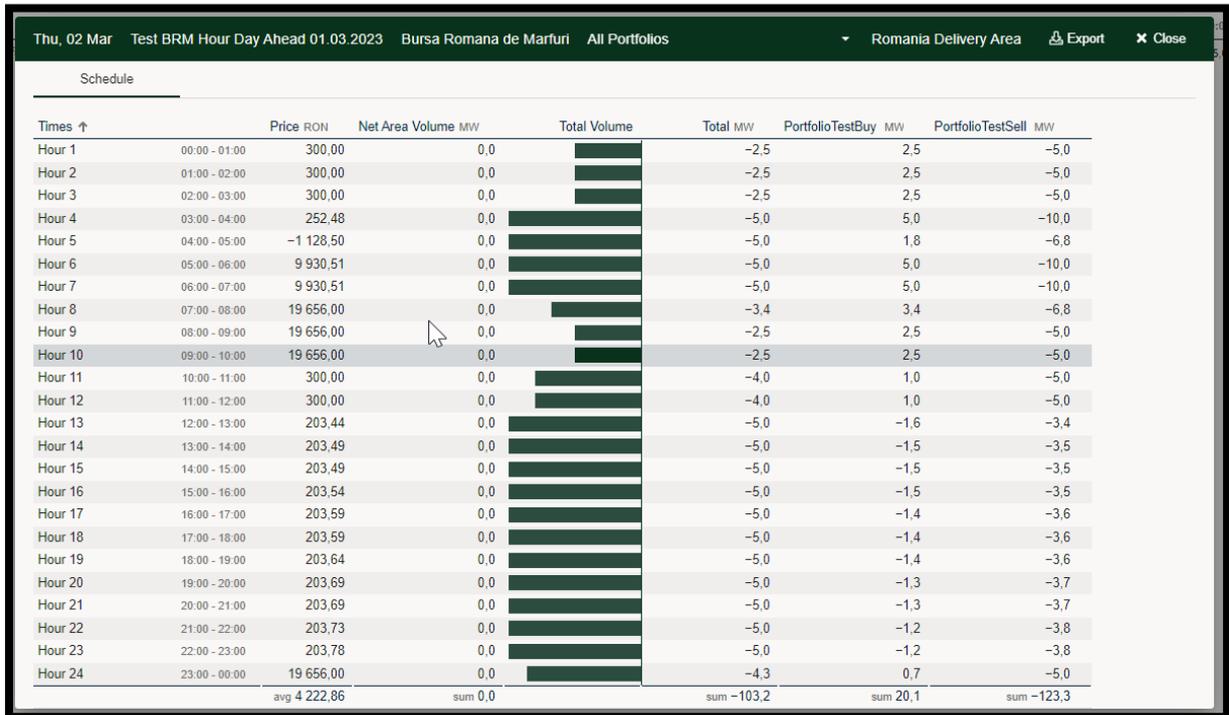
NOTE: orders marked in orange are part of the orderbook, it just highlights that two or more curve orders have the same Sum Min & Max values. No approval is required.

### 3. Results

Once results from the auction are published the "Results" button is enabled. Click "Results" to see all auction results split by portfolio.



To view the results per portfolio, select the portfolio within the filter panel on the left-hand side of the screen. The schedule for the delivery day shows up. Click on "Export" to export results to Excel.



Times ↑	Price RON	Net Area Volume MW	Total Volume	Total MW	PortfolioTestBuy MW	PortfolioTestSell MW	
Hour 1	00:00 - 01:00	300,00	0,0		-2,5	2,5	-5,0
Hour 2	01:00 - 02:00	300,00	0,0		-2,5	2,5	-5,0
Hour 3	02:00 - 03:00	300,00	0,0		-2,5	2,5	-5,0
Hour 4	03:00 - 04:00	252,48	0,0		-5,0	5,0	-10,0
Hour 5	04:00 - 05:00	-1 128,50	0,0		-5,0	1,8	-6,8
Hour 6	05:00 - 06:00	9 930,51	0,0		-5,0	5,0	-10,0
Hour 7	06:00 - 07:00	9 930,51	0,0		-5,0	5,0	-10,0
Hour 8	07:00 - 08:00	19 656,00	0,0		-3,4	3,4	-6,8
Hour 9	08:00 - 09:00	19 656,00	0,0		-2,5	2,5	-5,0
Hour 10	09:00 - 10:00	19 656,00	0,0		-2,5	2,5	-5,0
Hour 11	10:00 - 11:00	300,00	0,0		-4,0	1,0	-5,0
Hour 12	11:00 - 12:00	300,00	0,0		-4,0	1,0	-5,0
Hour 13	12:00 - 13:00	203,44	0,0		-5,0	-1,6	-3,4
Hour 14	13:00 - 14:00	203,49	0,0		-5,0	-1,5	-3,5
Hour 15	14:00 - 15:00	203,49	0,0		-5,0	-1,5	-3,5
Hour 16	15:00 - 16:00	203,54	0,0		-5,0	-1,5	-3,5
Hour 17	16:00 - 17:00	203,59	0,0		-5,0	-1,4	-3,6
Hour 18	17:00 - 18:00	203,59	0,0		-5,0	-1,4	-3,6
Hour 19	18:00 - 19:00	203,64	0,0		-5,0	-1,4	-3,6
Hour 20	19:00 - 20:00	203,69	0,0		-5,0	-1,3	-3,7
Hour 21	20:00 - 21:00	203,69	0,0		-5,0	-1,3	-3,7
Hour 22	21:00 - 22:00	203,73	0,0		-5,0	-1,2	-3,8
Hour 23	22:00 - 23:00	203,78	0,0		-5,0	-1,2	-3,8
Hour 24	23:00 - 00:00	19 656,00	0,0		-4,3	0,7	-5,0
		avg 4 222,86	sum 0,0		sum -103,2	sum 20,1	sum -123,3

Explanation for column headers:

- *Times*: Delivery time
- *Price*: Area price
- *Total volume*: Graphical representation of the realised volume
- *Total*: Total realised volume (curve orders + blocks)
- *Curve*: Realised volume for curve orders only
- *Curt*: Curtailed volume

#### 4. Paradoxically rejected block (PRB)

What is a Paradoxically Rejected Block?

When a block is paradoxically rejected it is rejected even though at the given market prices it should have been accepted. It is not possible to include the block in the solution without modifying the prices to such an extent that the block is rejected at the new prices. This is the definition of a paradoxically rejected block (PRB).

To ensure that it is not possible to insert the paradoxically rejected block into the given solution the PRBs are tried reinserted in the PRB Reinsertion Module. The PRBs are ranked by how deep they are into the money the market session is recalculated by inserting a single block into the solution. There is a time restriction on the total calculation time therefore the module is not always able to test every PRB in the solution.

Under special circumstances such as numerical difficulties in the algorithm the algorithm may not be able to find more than one solution. In these cases, it is a bigger chance that the PRB Reinsertion module is not able to cover all PRBs.

When it comes to reducing the risk of this happening, smaller blocks in volume and length can be a helpful factor in certain situations, but it does not guarantee that it will not happen again.

#### Example of how Paradoxically Rejected block looks like in the system:

Name	From	To	Status	Price EUR	Min %	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
	00:00	00:00	Realised	238.93																									
	00:00	00:00	Paradoxically Rejected	250.07																									
	00:00	00:00	Paradoxically Rejected	253.58																									
	00:00	00:00	Paradoxically Rejected	255.39																									
	00:00	00:00	Realised	273.82																									
	00:00	00:00	Paradoxically Rejected	264.38																									
	00:00	00:00	Paradoxically Rejected	269.28																									
	00:00	00:00	Paradoxically Rejected	277.83																									
	00:00	00:00	Paradoxically Rejected	280.46																									
	00:00	00:00	Realised	254.12																									
	00:00	00:00	Paradoxically Rejected	255.00																									
	00:00	00:00	Paradoxically Rejected	254.53																									
	00:00	00:00	Paradoxically Rejected	260.74																									
	00:00	00:00	Paradoxically Rejected	273.35																									
	00:00	00:00	Paradoxically Rejected	277.25																									
	00:00	00:00	Realised	254.95																									
	00:00	00:00	Paradoxically Rejected	239.37																									
	00:00	00:00	Paradoxically Rejected	254.77																									
	00:00	00:00	Paradoxically Rejected	255.28																									
	00:00	00:00	Paradoxically Rejected	274.06																									
	00:00	00:00	Paradoxically Rejected	277.70																									