



# Web Client Manual for Market Participants



## REVISION HISTORY

Date	Author	Changes

Document version: 1.0.x



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# APPLICATION BASICS

The Auction Platform (AP) Web Client for Market Participants is web-based application. Access to application is only allowed for auction participants according to national Grid Code and Market Code. Application is available on: <https://auctions.ems.rs/Auction-Web-Client>.

Its functionalities are implemented according to documents and definitions produced by the ENTSO-E Electronic Data Interchange (EDI) Working Group. Links to particular documents are available bellow, but you can check the entire [EDI Library](#).

AP Web Application is html application compatible with the following browsers:


- Chrome
- Microsoft Edge
- Firefox
- Opera
- Vivaldi

The user is required to use username and password to login. Once you are logged in, the application will be synchronized with the server.

Auction Platform

Participant portal

English (United States) ▾



ЈАВНО ПРЕДУЗЕЋЕ  
ЕЛЕКТРОМРЕЖА СРБИЈЕ

**Auction platform for the procurement and sale of energy and reserve capacities.**

The platform offers you advanced options, various features and benefits in cooperation with the transmission system operator.

The platform will make your bidding, overview of the auction results and conclusion of the contracts as easy as possible for you.

**Please log in to proceed.**

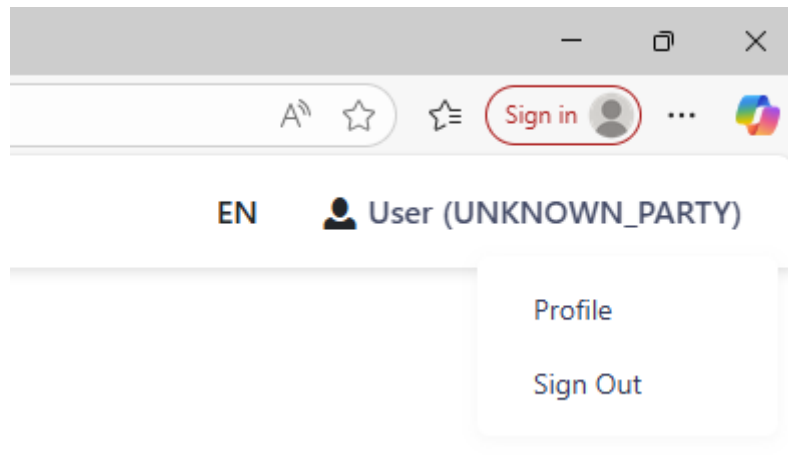
user

....

Login



Sign out option is available in right upper corner.



Auction Platform web application supports following functions, available on the left side navigation tree:

- **Dashboard,**
- **Auctions,**
- **Notifications,**
- **Documents** and
- **User Profile.**



# DASHBOARD

The main dashboard page serves as the central hub for users to manage their auction activities effectively. It provides a comprehensive and user-friendly interface that consolidates critical auction information and system notifications. The page features a navigation menu on the left side, which offers quick access to additional details and functionalities.

On the dashboard following information is available in tabular format:

- **List of opened and scheduled auctions** - A comprehensive list of ongoing and near-term auctions is displayed, providing users with essential information about the auctions, such as auction identification, auction status, delivery period, bidding period, product category and auction product identification. More information can be accessed with a direct click on View option or through the navigation menu.
- **List of last system notifications** - The page displays a list of recent system notifications, which allows users to quickly identify the nature of each message. It includes notification level (differentiated using color-coding), notification time, notification content and read/unread status. Users can access further message details with a direct click on Read option which will open the Notification Details window.



# AUCTIONS

## Auction List

This section allows users to view and participate and navigate to auctions related data pages. It has Today sub-sections, which gives users directly link to actual (ongoing or in progress) today's auction.

On top of the page users can interact with the auction platform through various filtering parameters to access relevant information and participate effectively in auctions. The filter component includes combo and date editors and a Search button to trigger the search. Data can be displayed in several data pages. The main filters of the AP web application are:

- Delivery period time interval
- Bidding period time interval

By clicking on *Show advanced search options*, you can view:

- Auction status
- Product category
- Auction identification

In the middle section of page, the main component of the user interface is the grid component that displays a list of auctions in a table format. Users can also click on top table column for sorting of auction data. The table consists of following columns:

- Auction identification,
- Status,
- Auction name,
- Delivery period,
- Bidding period,
- Product category and
- Products.

The screenshot shows the EMS Auction Platform interface. On the left is a sidebar with navigation links: Dashboard, Auctions (selected), Notifications, Documents, and User Profile. The main content area is titled 'Auctions' and includes search filters for 'Delivery from', 'Delivery thru', 'Bidding from', and 'Bidding thru'. Below the filters is a checkbox for 'Show advanced search options'. The main part of the interface is a table with the following columns: Auction Identification, Status, Auction Name, Delivery Period, Bidding Period, Product Category, and Products. A single row of auction data is displayed. The 'Status' cell for this row is highlighted in orange and contains the text 'Auction open for bidding'. The 'Products' column contains a list of product identifiers and a 'View' link. At the bottom right of the table, there is a 'Page Size' dropdown menu set to 20.

Auction Identification	Status	Auction Name	Delivery Period	Bidding Period	Product Category	Products
20260118_D_Q1_mFRUp	Auction open for bidding	20260118_D_Q1_mFRUp	18. 01. 2026	15. 01. 2026 10:42:00 - 17. 01. 2026 09:00:00	Manual frequency regulation capacity	D_Q1_mFRUp_00_04-20260118, D_Q1_mFRUp_04_08-20260118, D_Q1_mFRUp_08_12-20260118, D_Q1_mFRUp_12_16-20260118, D_Q1_mFRUp_16_20-20260118, D_Q1_mFRUp_20_24-20260118 <a href="#">View</a>



## Single Auction Data

With clicking on View link option at auction list data page, single auction data is available. On top of the page auction identification, auction name and delivery periods are available.

## Auction Specification and Product Details

Auction specification data page contains three main tabs in the user interface:

- **Details section** – displays essential information about the auction, including the Auction Identification, Auction Name, delivery date, bidding date/time information and finally auction Status.
- **Announcement section** – display Auction announcement title and message, which is sent to participants also via email channel, if configured so.
- **Products section** – displays essential information about one or more auction products, including auction product identification, category, contract type, resolution, delivery period, auction quantity, lot size and total volume.

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PLATFORM

[Dashboard](#)  
[Auctions](#)  
[Today](#)  
[Notifications](#)  
[Documents](#)  
[User Profile](#)

20260112\_Q1DmFRRup20260112\_Q1DmFRRup

12. 01. 20266/6 Products | 6 Bids

AnnouncedBiddingClosedResults

Auction results published

GeneralResults

Details

Auction Identification:20260112\_Q1DmFRRup

Auction Name:20260112\_Q1DmFRRup

Status:Auction results published 09. 01. 2026 14:42:14

Delivery period from:12. 01. 2026Thru:12. 01. 2026

Announcement

Title:Dnevna aukcija: 20260112\_Q1DmFRRup

Message:Poštovani,  
Objavljuje se dnevna aukcija mFRRup za tržišni dan 12.01.2026: 20260112\_Q1DmFRRup.  
Početak aukcije: 09.01.2026, 9:00 h.  
Završetak aukcija: 10.01.2026, 9:00 h.  
  
Srdačan pozdrav,  
EMS Team

Products							
Identification	Category	Contract Type	Resolution	Delivery Period	Auction Quantity [MW]	Lot Size [h]	Total Volume [MWh]
Q1DmFRRup_00_04-20260112	Manual frequency regulation capacity	Daily: Single calendar day	1 day	12. 01. 2026	141	4	564
Q1DmFRRup_04_08-20260112	Manual frequency regulation capacity	Daily: Single calendar day	1 day	12. 01. 2026	141	4	564
Q1DmFRRup_08_12-20260112	Manual frequency regulation capacity	Daily: Single calendar day	1 day	12. 01. 2026	141	4	564
Q1DmFRRup_12_16-20260112	Manual frequency regulation capacity	Daily: Single calendar day	1 day	12. 01. 2026	141	4	564
Q1DmFRRup_16_20-20260112	Manual frequency regulation capacity	Daily: Single calendar day	1 day	12. 01. 2026	141	4	564
Q1DmFRRup_20_24-20260112	Manual frequency regulation capacity	Daily: Single calendar day	1 day	12. 01. 2026	141	4	564





On auction product details page, by clicking on Details hyperlink, Product Details including product parameters on auction is available. Data are collected to sections:

- Product identification on auction, product category, contract type, resolution, delivery period, auction quantity, lot size, total volume.
- Parameters – This section displays a table with the auction parameters used during the auction, including their names and values. These parameters define the rules and constraints of the auction. Participants will only be able to view auction parameters and data if the visibility option has been configured to either be always visible to external users or visible after the auction results have been published and the auction is in that state.

**Products**

Identification	Category	Contract Type	Resolution	Delivery Period	Auction Quantity [MW]	Lot Size [h]	Total Volume [MWh]	
YafRRdown_U-20270101	Automatic frequency regulation capacity	Yearly: Single calendar year	1 year	01. 01. 2027 - 31. 12. 2027	100	8,760	876,000	<a href="#">Details</a>

**ProductDetails: Q1DmFRRup\_00\_04-20260112** ✕

Identification

Q1DmFRRup\_00\_04-20260112

Category

Manual frequency regulation capacity

Contract Type

Daily: Single calendar day

Resolution

1 day

Delivery Period

12. 01. 2026

Auction Quantity [MW]

141

Lot Size [h]

4

Total Volume [MWh]

564

**Parameters**

Parameter	Value
Allocation algorithm	Order by price and quantity with first-come, first-served
Auction format	Minimal cost
Payment terms	Pay as bid
Price step	0,01
Quantity step	1
Maximum bid price	0,28
Tendered quantity must equal auction quantity	False

Close



## Bidding

In the 'Bidding' tab, the auction product is selected from a drop-down menu.

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20260118\_D\_Q1\_mFRRup 20260118\_D\_Q1\_mFRRup

18.01.2026 1 days

Announced Bidding Closed Results Auction open for bidding

General Bidding

Select product: D\_Q1\_mFRR\_up\_00\_04-20260118 View details

Name	Delivery Period	Bids
D_Q1_mFRR_up_00_04-20260118	18.01.2026	0
D_Q1_mFRR_up_04_08-20260118	18.01.2026	0
D_Q1_mFRR_up_08_12-20260118	18.01.2026	0
D_Q1_mFRR_up_12_16-20260118	18.01.2026	0
D_Q1_mFRR_up_16_20-20260118	18.01.2026	0

Show extended options

Qty [MW]	Price [EUR/MWh]	Total Amount [EUR]
----------	-----------------	--------------------

No data to display

Copy to Clipboard Paste from Clipboard Submit all bids to auction platform

Basic bid options displayed in a table format are Delivery Date/Time, Qty [MW], Price [EUR/MWh] and Total Amount. Submission of the bid is done by selecting the 'New' option and entering the quantity and price.

EMS AUCTION PLATFORM

20270101\_YaFRRdown\_U\_Y 20270101\_YaFRRdown\_U\_Y

01.01.2027 - 31.12.2027 1/1 Products 1 Bids 1 days

Announced Bidding Closed Results Auction open for bidding

General Bidding

Select product: YaFRRdown\_U\_20270101 View details

Automatic frequency regulation capacity

01.01.2027 - 31.12.2027 Yearly: Single calendar year / 1 year Total Volume [MWh]: 876,000.00 MWh Lot Size [h]: 8,760.00 MW Auction Quantity [MW]: 100 lots Your Bids: 1

Show extended options

Qty [MW]	Price [EUR/MWh]	Total Amount [EUR]
50	2	100

Copy to Clipboard Paste from Clipboard Submit all bids to auction platform

With enabling extended option table is populated also with Bid Identification, Divisible and Min Qty [MW]. User confirms data with clicking on **Submit** option and bid data are copied to bidding data table.



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Dashboard Auctions Today Notifications Documents User Profile

20260116\_D\_Q1\_mFRR\_down\_00\_04\_D 20260116\_D\_Q1\_mFRR\_down\_00\_04\_D

16.01.2026 1/1 Products | 2 Bids (1 unsaved) 1 days

Announced Bidding Closed Results Auction open for bidding

General Bidding 2

Select product: D\_Q1\_mFRR\_down\_00\_04-20260116 View details

Manual frequency regulation capacity

16.01.2026 16.01.2026 Daily Single calendar day / 1 day Total Volume [MWh]: 540,00 MWh Lot Size [M]: 4,00 MW Auction Quantity [MW]: 135 lots Your Bids: 2

Show extended options

Now	Delivery Date/Time	Bid Identification	Qty [MW]	Price [EUR/MWh]	Divisible	Min Qty [MW]	Total Amount [EUR]
	16.01.2026	P217-BID-1	0		<input checked="" type="checkbox"/>		0
	16.01.2026	P217-BID-2	0		<input checked="" type="checkbox"/>		0

Copy to Clipboard Paste from Clipboard Submit all bids to auction platform

Finally, data are sent to auction platform by clicking **Submit All Bids to the Auction Platform**, green bottom below the table. Platform prompts users once again to check all bids and finally confirming bids submission by clicking on green **Submit** button.

Web application returns notification response whatever bid was accepted or rejected.

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Dashboard Auctions Today Notifications Documents User Profile

20260118\_D\_Q1\_mFRRup 20260118\_D\_Q1\_mFRRup

18.01.2026 1/6 Products | 1 Bids 1 days

Announced Bidding Closed Results Bid "P218-BID-1" for the auction 20260118\_D\_Q1\_mFRRup has been accepted.

General Bidding 1

Select product: D\_Q1\_mFRR\_up\_00\_04-20260118 View details

Manual frequency regulation capacity

18.01.2026 18.01.2026 Daily Single calendar day / 1 day Total Volume [MWh]: 564,00 MWh Lot Size [M]: 4,00 MW Auction Quantity [MW]: 141 lots Your Bids: 1

Show extended options

Now	Delivery Date/Time	Qty [MW]	Price [EUR/MWh]	Total Amount [EUR]
	18.01.2026		50	0,28 14

Copy to Clipboard Paste from Clipboard Submit all bids to auction platform



### Submit all bids

Are you sure you want to submit all bids to the auction platform?

Product	Bid Identification	TimeSlot	Qty [MW]	Price	Divisible	Min Qty [MW]	
D_Q1_mFRR_down_00_04-20260116	P217-BID-1	16. 01. 2026	160		1	<input checked="" type="checkbox"/>	

**Error!**

Problem in bid 'P217-BID-1', position 1: A42 - Bid quantity must not be greater than 135.

SubmitCancel

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Dashboard

Auctions

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EN

Petar Petrović (UNKNOWN\_PARTY)

### Dashboard

Overview of your active auctions and recent messages

1  
Active auctions

1  
Open for bidding

0  
Closing soon

1  
Unread messages

#### Open and Scheduled Auctions

20260123\_Q1DmFRRup

Auction open for bidding

Product Category

Manual frequency regulation capacity

Delivery Period

23. 01. 2026

Bidding Period

20. 01. 2026 11:15:00 - 22. 01. 2026 09:00:00

Products

Q1DmFRRup\_00\_04-20260123

Submitted Bids

1

Closing in:

1 days

#### Last Notifications

Auction 20260123\_Q1DmFRRup: Bid Accepted

Bid 'P224-BID-1' for the auction 20260123\_Q1DmFRRup has been accepted.

20. 01. 2026 11:15:37

Auction 20260123\_Q1DmFRRup: Bidding Open

The auction 20260123\_Q1DmFRRup is now open for bidding.

20. 01. 2026 11:15:00

Invitation for Auction 20260123\_Q1DmFRRup

You are invited to participate in the auction 20260123\_Q1DmFRRup, which will be held on 2026-01-20 at 11:15:00. All the necessary information about the auction can be found in the Auction Specification Document or within the Auction Platform application.

20. 01. 2026 11:12:00

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9



## Results

A four-hour interval for which we need the results is selected from the drop-down menu. The tabs that are displayed are:

- Bid Qty [MW],
- Bid Price [EUR/MWh],
- Min Qty [MW],
- Transacted Qty [MW],
- Price [EUR/MWh]
- Total Volume [MWh]
- Total Amount [EUR]

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20260112\_Q1DmFRRup 20260112\_Q1DmFRRup

12. 01. 2026 5/6 Products | 6 Bids

Announced Bidding Closed Results

Auction results published

General Results

Select product: Q1DmFRRup\_04\_08-20260112 View details

Name	Delivery Period	Bids
Q1DmFRRup_04_08-20260112	12. 01. 2026	1
Q1DmFRRup_08_12-20260112	12. 01. 2026	1
Q1DmFRRup_12_16-20260112	12. 01. 2026	1
Q1DmFRRup_16_20-20260112	12. 01. 2026	1
Q1DmFRRup_20_24-20260112	12. 01. 2026	1

30 MW Auction Quantity [MW]: 141 lots Your Bids: 1

Bid Qty [MW]	Transacted Qty [MW]	Acceptance Rate	Total Amount [EUR]
30,00	30,00	100,0%	258,00

P211-BID-1		Fully Accepted	1 Positions	Bid Qty [MW]: 30,00		Transacted Qty [MW]: 30,00	Acceptance Rate: 100,0%	Total Amount [EUR]: 33,60
Average Bid Price: 0.28 EUR/MWh    Total Volume [MWh]: 120.00 MWh    Divisible: Yes								
Delivery Date/Time	Bid Qty [MW]:	Bid Price [EUR/MWh]:	Min Qty [MW]:	Transacted Qty [MW]:	Price [EUR/MWh]:	Total Volume [MWh]:	Total Amount [EUR]:	
12. 01. 2026	30,00	0,28		30,00	0,28	120,00	33,60	
Total	30,00	0,28	-	30,00	-	120,00	33,60	

## NOTIFICATIONS

In the notification section one-way alerts and notifications related to the auction platform are available. These include:

- Updates on auction statuses (e.g., open, closed, cancelled, or completed auctions),
- Announcements about new auctions or changes in auction schedules and other public parameters,
- System-related issues or maintenance notices that users should be aware of,
- Reminders for users about upcoming deadlines, such as submitting bids or signing contracts.



On top of the page users can interact with the auction platform through few filtering parameters to filter relevant notifications. The filter component includes combo, date editors, check box and a Search button to trigger the search. Data can be displayed in several data pages. The filters are:

- Notification time interval from – to,
- Notification level,
- Unread/read checkbox.

In the bottom section of page is the grid component that displays a list of notifications in a table format. Users can also click on top table column for sorting of notifications. The table consists of following columns:

- Notification time,
- Notification content,
- Read link for displaying single notification details and marking notification as read.

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EN User123 (UNKNOWN\_PARTY)

### Notifications

SearchFilters

From: 13.01.2026 To: 15.01.2026

Level:

Unread only ☐

Search Reset

Notification Time	Notification Content	
15. 01. 2026 10:42:00	Auction 20260118_D_Q1_mfRRup: Bidding Open The auction 20260118_D_Q1_mfRRup is now open for bidding.	<a href="#">Read</a>
15. 01. 2026 10:41:00	Initiation for Auction 20260118_D_Q1_mfRRup You are invited to participate in the auction 20260118_D_Q1_mfRRup, which will be held on 2026-01-15 at 10:42:00. All the necessary information about the auction can be found in the Auction Specification Document or within the Auction Platform application.	<a href="#">Read</a>
15. 01. 2026 09:00:00	Auction 20260116_D_Q1_mfRR_down_00_04_D: Bidding Closed The auction 20260116_D_Q1_mfRR_down_00_04_D is now closed for bidding.	<a href="#">Read</a>
13. 01. 2026 14:32:00	Auction 20260116_D_Q1_mfRR_down_00_04_D: Bidding Open The auction 20260116_D_Q1_mfRR_down_00_04_D is now open for bidding.	<a href="#">Read</a>
13. 01. 2026 14:29:00	Initiation for Auction 20260116_D_Q1_mfRR_down_00_04_D You are invited to participate in the auction 20260116_D_Q1_mfRR_down_00_04_D, which will be held on 2026-01-13 at 14:32:00. All the necessary information about the auction can be found in the Auction Specification Document or within the Auction Platform application.	<a href="#">Read</a>



# DOCUMENTS

Auction platform documents are based on ENTSO-e and slightly customized ENTSO-e (Novita custom) XML schemas. In Documents view user can download all documents in XML format, which were sent to Auction platform or auction platform send it to participant. Supported documents:

- Capacity Auction Specification Document  
(NovitaAuctionSpecification\_MarketDocument v1r0 schema).
- Bids Document (NovitaAuctionBid\_MarketDocument v1r0 schema).
- Auction results are Document (NovitaAuctionResult\_MarketDocument v1r0 schema)
- Acknowledged document (entso-e AcknowledgementDocument v5r1 schema).

Documents are searched based on the delivery period.

Selecting the 'More filters' option enables additional filters at the top of the page: Documents Type, Auction identification, Document identification and include all documents version check box filter options. In the table below from the left first Document identification is displayed, following by, Document Type, Time Interval, Processed, Auction Identification and Sender/Receiver.

Users can download all documents as XMLs **Download** link. Data can also be sorted in grid table by all available columns.

# USER PROFILE

On User Profile page, users can review information about their profile - username, user display name and associated party. Password last change time, password expiration time and change password options are also available.

User Profile	
Username	User123
Display Name:	Petar Petrović
User Party:	UNKNOWN_PARTY
Password Last Changed:	14. 01. 2026 14:57:53
Password Expires:	14. 02. 2026 14:57:53
<a href="#">Change Password</a>	