

Energy Exchange Istanbul



INTRADAY MARKET

USER GUIDE

V5 15.11.2024

MARKET OPERATIONS DIRECTORSHIP

ELECTRICITY MARKET MANAGEMENT

INTRADAY OPERATION DEPARTMENT

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1. INTRODUCTION

Our efforts continue to make the Turkish electricity market more transparent, efficient, and financially robust, aiming for integration with electricity markets operated in European Union countries. In pursuit of ensuring market participants play a more balanced and effective role in Turkey's evolving intraday electricity market by utilizing new technologies and products, a decision has been made to renovate the intraday market software with the initiation of the "IDM 2.0" project.

With the IDM 2.0 project, the goal is to create a more mobile-friendlier, flexible, and advanced software interface. This includes managing organizational and net position limits on screens, providing better trading opportunities with new order options such as price leveled, time leveled, and iceberg, and establishing a more secure market structure with order trade ration and order submission/update intervals.

The Intraday Market, acting as a bridge between the Day-Ahead Market and the Balancing Power Market, will continue its role in balancing and contributing even more significantly to the sustainability of the electricity market in its new form.

2. GENERAL PRINCIPLES AND PROCESSES OF INTRADAY MARKET

- All legal entities with licenses can participate Intraday Market by signing the Intraday Market Participation Agreement, specifying the obligations of market participants related to the intraday market.
- Intraday Market transactions are conducted on an hourly basis.
- In the case of matched orders, the price of the matching equals the price of the order that was entered into the order book first.
- The prices applied in the settlement of the Intraday Market are determined for each settlement period and each matching, considering the orders and commercial transactions submitted within the scope of the Intraday Market.
- Following settlement calculations, daily advance payment notifications concerning market participants' intraday balancing activities are announced daily, along with advance payment amounts for the next day's Day-Ahead Market, by the Market Operator and the Istanbul Settlement and Custody Bank Inc.
- The Intraday Market operates based on a continuous trading method, allowing orders to be saved up to 1 hour (60 minutes) before physical delivery, to the Intraday Market. Orders can be updated, canceled, or made passive.
- Intraday market transactions are conducted on an hourly basis, starting every day at 00 a.m. and ending the next day at 00 a.m.
- Orders for the next day in the intraday market can be submitted at the market opening time, which is 6 p.m.
- To submit orders in the Intraday Market, market participants must have sufficient collateral. Intraday Market collateral checks are performed twice each weekday at 11 a.m. and 17 p.m. Participants who were outside the market at 11 a.m. can submit orders after the margin call by 17 p.m.
- Orders submitted to the Intraday Market are put in process instantly and matched with opposing orders if the conditions are suitable, differing from the single-session auction in the Day-Ahead Market.
- The status of orders submitted to the Intraday Market can be viewed in real-time through the Intraday Market application.

3. ORDERS AND MATCHING PROCEDURE

3.1 General Principles of Orders

- Participants can submit orders in hourly for a specific period within the scope of the intraday market.
- Orders consist of quantity and price information that may vary for different hours.
 - All submitted order prices have a sensitivity of 0.1 TL.
 - Orders are made in Turkish Lira. (TL/MWh)
 - Order quantities are stated in Lot, with 1 Lot equivalent to 0.1 MWh.
- With IDM 2.0, there are four order states:
 - Active: An unmatched order waiting in the order book.
 - Passive: An order deactivated by the participant, which can be reactivated. Passive orders do not undergo transactions.
 - Canceled: An order canceled by the participant or the Market Operator.
 - Matched: A matched order.

Details of these four order states can be found in Section 4.2.2.5.

- Priority is determined based on changes made to the updated order:

Situations where priority is lost:

- If the order price changes (increase or decrease)
- If the order quantity increases
- If the order status is changed from passive to active

Situations where priority remains unchanged:

- If the order quantity decreases

- Orders submitted by a market participant can be updated, canceled, or made passive until 1 hour before physical delivery unless matched.
- The minimum price limit for submitting bids/asks to the Intraday Market is zero.
- Orders are made by users saved on behalf of the organization. Users registered on behalf of the organization can, within their authority, submit new orders, view orders made by different users under the same organization, and update them.
- The latest update on the order is taken into account for matching.

3.2 Matching Procedure

- For orders on the same side (purchase-sales), the order with the better price takes priority.
- In case of equal-priced orders on the same side (purchase-sales), the order saved first according to the system time is given priority.
- The order with the highest price for purchase orders and the lowest price for sales orders is displayed as the best order in the order book.

3.2.1 Matching on Hourly Contracts

When a new order is submitted that can match an actively pending order in the order book, the matching price is determined by the price of the initially entered order.

- Matching Purchase Orders in Hourly Contracts:
 - If the purchase order price is greater than or equal to the best sales order price, quantities are compared.
 - If the purchase order quantity equals the best sales order quantity, a matching is made.
 - The transaction occurs based on the previously entered pending sales order price in the order book.
 - Details are updated as "Fully Matched" and the matched sales order is removed from the order book, updating the best order list.
 - If the purchase order quantity is greater than the best sales order quantity, a matching is made.
 - The transaction occurs based on the previously entered pending sales order price in the order book.
 - Purchase is executed for the sales quantity. The detail status of the sales order is updated as "Fully Matched" and the detail status of the purchase order is updated as "Partially Matched".
 - The remaining purchase quantity is checked for new matching. If no matching, the best purchase order is written to the order book. The best order list is re-sorted.
 - If the purchase order quantity is less than the best sales order quantity, a matching is made.
 - The transaction occurs based on the previously entered pending sales order price in the order book.
 - Purchase is executed for the purchase quantity. The detail status of the purchase order is updated as "Fully Matched" and the detail status of the sales order is updated as "Partially Matched". The partially matched sales order continues to be displayed in the order book, updating the remaining quantity.
 - If the purchase order price is less than the best sales order price, the best purchase order is added to the best purchase order list in the order book according to the price status.
- Matching Sales Orders in Hourly Contracts:
 - If the sales order price is less than or equal to the best purchase order price, quantities are compared.
 - If the sales order quantity equals the best purchase order quantity, a matching is made.
 - The transaction occurs based on the previously entered pending purchase order price in the order book.
 - Details are updated as "Fully Matched" and the matched purchase order is removed from the order book, updating the best order list.
 - If the sales order quantity is greater than the best purchase order quantity, a matching is made.

- The transaction occurs based on the previously entered pending purchase order price in the order book.
 - Sales is executed for the purchase quantity. The detail status of the purchase order is updated as "Fully Matched" and the detail status of the sales order is updated as "Partially Matched".
 - The remaining sales quantity is checked for new matching. If no matching, the best sales order is written to the order book. The best order list is re-sorted.
- If the sales order quantity is less than the best purchase order quantity, a matching is made.
 - The transaction occurs based on the previously entered pending purchase order price in the order book.
 - Sales is executed for the sales quantity. The detail status of the sales order is updated as "Fully Matched" and the detail status of the sales order is updated as "Partially Matched". The partially matched purchase order continues to be displayed in the order book, updating the remaining quantity.
- If the sales order price is greater than the best purchase order price, the best sales order is added to the best sales order list in the order book according to the price status.

4. MAIN PAGE

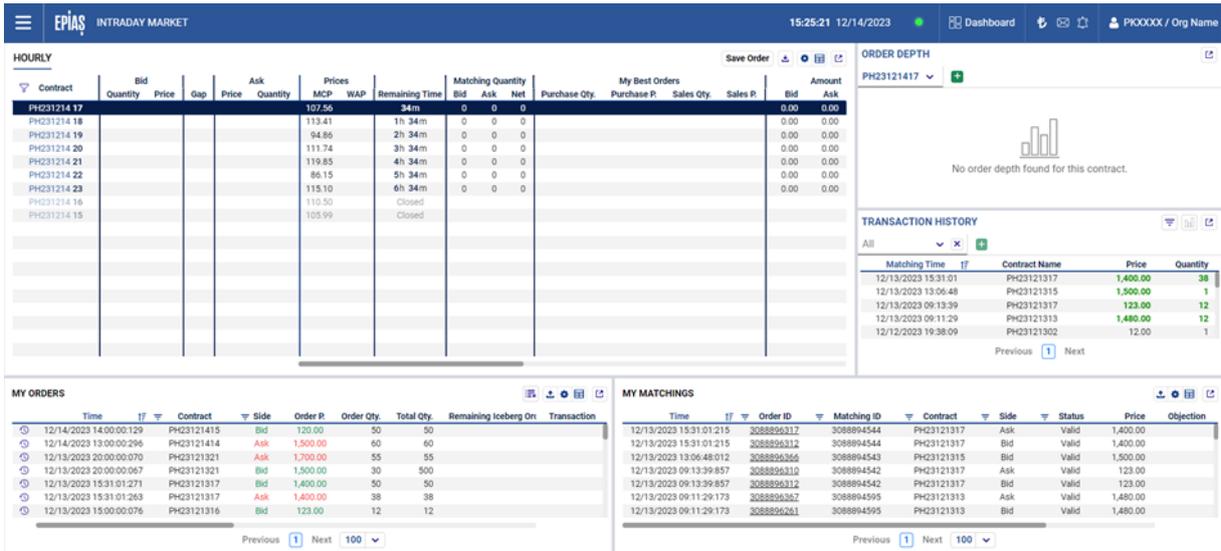


Figure 1: Main Page

The area where the Hourly Order Book, Order Depth, My Orders, My Matchings, and Transaction History are displayed.

4.1 Main Page Top Banner



Figure 2: Main Page Top Banner

1. “Main Page”, “Dashboard”, “Order and Matching”, “Objections”, “Limit Operations”, “Reports”, “Collateral Operations”, “Announcements”, “Operations History”, and “Settings” headings are listed with the  icon.

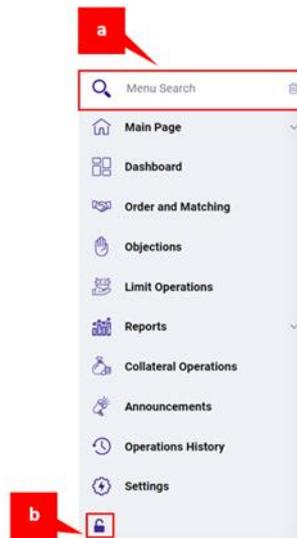
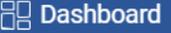


Figure 3: Pages – Menu Tab

- a. Page search can be performed based on the entered title from the menu search field. The entered title can be deleted with the  icon.
 - b. Clicking the lock icon at the bottom left corner of the menu tab will pin the menu tab on the page.
2.  icon is the area where the current system date and time are displayed.
 3.  icon indicates that IDM software is active for order entries, the system is operational and access has been established.
 4.  icon directs the user to the Dashboard screen.
 5.  icon displays the current collateral status. When clicked, this icon opens the following information pop-up.

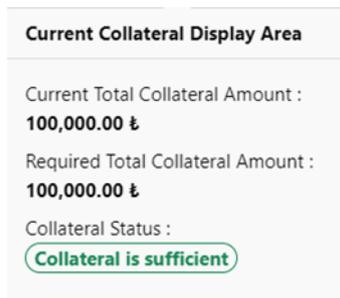


Figure 4: Current Collateral Display Area:

6.  icon displays announcements made by the Market Operator. Clicking the icon reveals notifications of the announcements. The number on the letter icon indicates the unread announcement count. If there is an unread announcement when entering the system, the announcement opens in this area even without clicking the announcement icon. Refreshing the page or logging out and logging back in clears the read announcements from the main page, but they continue to be displayed in this area until the "Clear" icon is clicked.

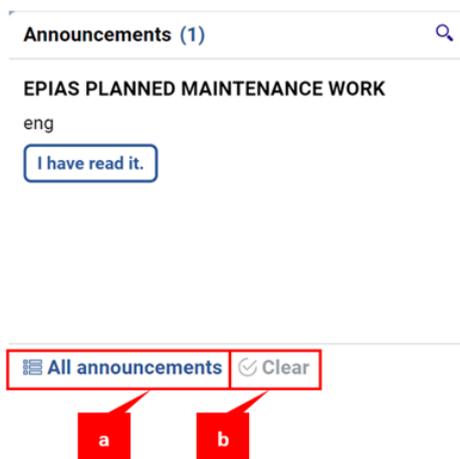


Figure 5: Announcement Pop-up

- a.  icon directs the user to the Announcement page
- b.  icon can delete the read announcements when clicked, from the pop-up. An announcement cannot be deleted from the pop-up unless the "I have read it" icon is clicked.

7.  icon displays the notifications sent from the system. The number on the bell icon indicates the unread notification count. When clicked, this icon opens the following notification pop-up.

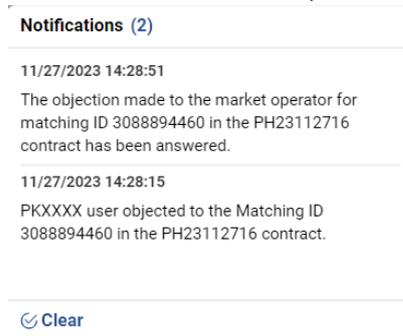


Figure 6: Notifications Pop-Up

- a.  icon clears the notifications from the pop-up when clicked.
8.  icon displays the name of the user who logs into the system and the short name of the organization to which the user belongs. Clicking on this icon opens the following pop-up.

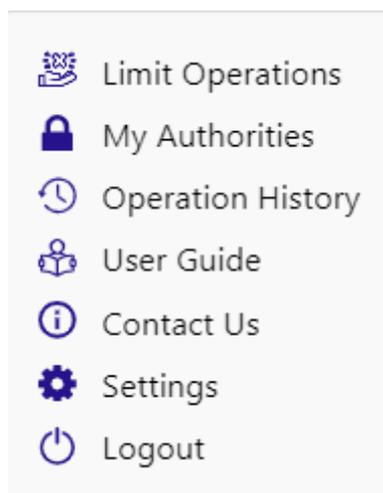


Figure 7: The Pop-Up That Opens By Clicking Org Name

When clicked:

- “Limit Operations” icon directs to the "Limits/My Limits" page.
- “My Authorities” icon directs to the "EKYS" page.
- “Operation History” icon directs to the "Operation History" page.
- “User Guide” icon opens the IDM User Guide.
- “Contact Us” icon directs to the yardim.epias.com.tr page.
- “Settings” icon directs to the "Settings" page.
- “Logout” icon logs out of the system.

4.2 Main Page Menu Tab



Figure 8: Main Page Tabs

The “Main Page”, “Hourly Order Book”, “Order Depth”, “Transaction History”, “My Orders”, and “My Matchings” headings are listed under the “Main Page”. The user can view all tabs with the  icon.

1

HOURLY

Contract	Bid		Gap	Ask		Prices		Remaining Time	Matching Quantity			My Best Orders				Amount		
	Quantity	Price		Price	Quantity	MCP	WAP		Bid	Ask	Net	Purchase Qty.	Purchase P.	Sales Qty.	Sales P.	Bid	Ask	
PH231213 10						103.50		18m	0	0	0						0.00	0.00
PH231213 11	30	1,410.00	110.00	1,520.00	50	115.20		1h 18m	0	0	0	30	1,410.00	50	1,520.00		0.00	0.00
PH231213 12				1,740.00	50	93.18		2h 18m	0	0	0			50	1,740.00		0.00	0.00
PH231213 13	65	1,480.00				102.48		3h 18m	0	0	0	65	1,480.00				0.00	0.00
PH231213 14						114.39		4h 18m	0	0	0						0.00	0.00
PH231213 15						102.42		5h 18m	0	0	0						0.00	0.00
PH231213 16						103.58		6h 18m	0	0	0						0.00	0.00
PH231213 17						87.29		7h 18m	0	0	0						0.00	0.00
PH231213 18						98.34		8h 18m	0	0	0						0.00	0.00
PH231213 19						89.15		9h 18m	0	0	0						0.00	0.00
PH231213 20						85.14		10h 18m	0	0	0						0.00	0.00
PH231213 21						95.57		11h 18m	0	0	0						0.00	0.00
PH231213 22						107.08		12h 18m	0	0	0						0.00	0.00
PH231213 23						101.12		13h 18m	0	0	0						0.00	0.00
PH231213 09						99.19		Closed										
PH231213 08						94.25		Closed										

Figure 9: Hourly Icons

1. Order Depth, Transaction History, My Orders, and My Matchings tabs operate in conjunction with Hourly Order Book and Block Order Book.

4.2.1 Hourly Order Book

HOURLY															Save Order	↓	⊞	⊞	⊞
Contract	Bid			Gap	Ask		Prices			Matching Quantity			My Best Orders						
	Quantity	Price			Price	Quantity	MCP	WAP	Remaining Time	Bid	Ask	Net	Purchase Qty.	Purchase P.	Sales Qty.	Sales P.	Bid		
PH231213 11						103.50		20m	0	0	0					0.00			
	30	1,410.00	110.00	1,520.00	50	115.20		1h 20m	0	0	0	30	1,410.00	50	1,520.00	0.00			
PH231213 12				1,740.00	50	93.18		2h 20m	0	0	0			50	1,740.00	0.00			
PH231213 13	65	1,480.00				102.48		3h 20m	0	0	0	65	1,480.00			0.00			
PH231213 14						114.39		4h 20m	0	0	0					0.00			
PH231213 15						102.42		5h 20m	0	0	0					0.00			
PH231213 16						103.58		6h 20m	0	0	0					0.00			
PH231213 17						87.29		7h 20m	0	0	0					0.00			
PH231213 18						98.34		8h 20m	0	0	0					0.00			
PH231213 19						89.15		9h 20m	0	0	0					0.00			
PH231213 20						85.14		10h 20m	0	0	0					0.00			
PH231213 21						95.57		11h 20m	0	0	0					0.00			
PH231213 22						107.08		12h 20m	0	0	0					0.00			
PH231213 23						101.12		13h 20m	0	0	0					0.00			
PH231213 09						99.19		Closed											
PH231213 08						94.25		Closed											

Figure 10: Hourly Order Book

The area where the user can save orders in the purchase or sales side for active hourly contracts and view statistics for each contract.

4.2.1.1 Hourly Order Book Columns

Contract	Quantity	Bid Price	Ask Price	Gap	MCP	WAP	Remaining Time	Matching Quantity			My Best Orders			Last Trade	Matching Indicators				Contract Indicators		Net Status Limit	Hourly Limit			
								Bid	Ask	Net	Purchase Qty	Sales Qty	Net		Min. P.	Min. Qty	Max. Qty	Total A.	Total B.	Purchase		Sales	Remaining Purchase	Remaining Sales	
PH231213 13	170	1,000.00	400.00	1,400.00	50		1h 20m	0	0	0	10	1,000.00	50	1,400.00	0.00	0.00	0.00	0	0.00	17	2	9930	9500	2930	2950
PH231213 14	170	900.00	350.00	1,250.00	50		2h 20m	0	0	0	10	900.00	50	1,250.00	0.00	0.00	0.00	0	0.00	17	2	9930	9500	2930	2950
PH231213 15	170	1,000.00	340.00	1,340.00	57		3h 20m	0	0	0	10	1,000.00	57	1,340.00	0.00	0.00	0.00	0	0.00	17	2	9930	9420	2930	2943
PH231213 16	170	900.00	350.00	1,250.00	52		4h 20m	0	0	0	10	900.00	52	1,250.00	0.00	0.00	0.00	0	0.00	17	2	9930	9540	2930	2946
PH231213 17	170	1,000.00	740.00	1,740.00	62		5h 20m	0	0	0	10	1,000.00	62	1,740.00	0.00	0.00	0.00	0	0.00	17	2	9930	9530	2930	2958
PH231213 18	170	900.00	350.00	1,250.00	24		6h 20m	0	0	0	10	900.00	24	1,250.00	0.00	0.00	0.00	0	0.00	17	2	9930	9570	2930	2970
PH231213 19	170	1,000.00	450.00	1,450.00	20		7h 20m	0	0	0	10	1,000.00	20	1,450.00	0.00	0.00	0.00	0	0.00	17	2	9930	9520	2930	2950
PH231213 20	170	900.00	750.00	1,650.00	30		8h 20m	0	0	0	10	900.00	30	1,650.00	0.00	0.00	0.00	0	0.00	17	2	9930	9510	2930	2970
PH231213 21	170	1,000.00	350.00	1,350.00	60		9h 20m	0	0	0	10	1,000.00	60	1,350.00	0.00	0.00	0.00	0	0.00	17	2	9930	9520	2930	2950
PH231213 22	170	900.00	970.00	1,870.00	20		10h 20m	0	0	0	10	900.00	20	1,870.00	0.00	0.00	0.00	0	0.00	35	20	9930	9500	2930	2960
PH231213 23	170	1,000.00	900.00	1,900.00	40		11h 20m	0	0	0	10	1,000.00	40	1,900.00	0.00	0.00	0.00	0	0.00	35	18	9930	9500	2930	2960
PH231213 09						1,000.00		Closed						1,000.00	50			1,000.00	1,000.00	50	50	0	0.00		
PH231213 08								Closed																	

Figure 11: Hourly Order Book Columns

Contract: It displays active and closed block contracts determined by the Market Operator. The naming and ordering format of the PH23081617 hourly contract is as follows:

- PH indicates that it is an hourly order contract.
- 23 indicates the year 2023.
- 05 indicates the month of May (the 5th month).
- 16 indicates the 16th day of the respective month.
- 17 indicates the time of the contract, which is 17.00.

Bid Quantity: It displays the quantity of the best purchase order for the relevant contract. If there are multiple orders at the best purchase price, the quantities of the orders are summed. Quantities are in Lot. 1 Lot is equivalent to 0.1 MW.

Bid Price: It displays the price of the best purchase order for the relevant contract. The price is in TL/MWh. It has a sensitivity of two decimal places.

Gap: It displays the value resulting from subtracting the price of the best sales order for the relevant contract from the price of the best purchase order. The price is in TL/MWh. It has a sensitivity of two decimal places.

Ask Price: It displays the price of the best sales order for the relevant contract. The price is in TL/MWh. It has a sensitivity of two decimal places.

Ask Quantity: It displays the quantity of the best sales order for the relevant contract. If there are multiple orders at the best sales price, the quantities of the orders are summed. Quantities are in Lot. 1 Lot is equivalent to 0.1 MW.

MCP (Market Clearing Price): It is the market clearing price from the Day-Ahead Market for the relevant contract hour. The price is in TL/MWh. It has a sensitivity of two decimal places.

WAP (Weighted Average Price): It is the weighted average price of Intraday matchings for the relevant contract hour. The price is in TL/MWh. It has a sensitivity of two decimal places.

Remaining Time: It displays a countdown timer towards the closure time of the relevant contract, showing the remaining days, hours, and minutes.

Matching Quantity Bid: It shows the total matching quantity on the purchase side for the organization in the relevant contract.

Matching Quantity Ask: It shows the total matching quantity on the sales side for the organization in the relevant contract.

Matching Quantity Net: It represents the difference between the matching quantity on the purchase side and the matching quantity in the sales side for the organization in the relevant contract.

My Best Orders Purchase Qty: It is the quantity information of the best purchase order for the organization in the relevant contract. It is in Lot. 1 Lot is equivalent to 0.1 MW.

My Best Orders Purchase P: It is the price information of the best purchase order for the organization in the relevant contract. The price is in TL/MWh. It has a sensitivity of two decimal places.

My Best Orders Sales Qty: It is the quantity information of the best sales order for the organization in the relevant contract. It is in Lot. 1 Lot is equivalent to 0.1 MW.

My Best Orders Sales P: It is the price information of the best sales order for the organization in the relevant contract. The price is in TL/MWh. It has a sensitivity of two decimal places.

Amount Bid: It shows the total value of the organization's purchase side matchings in the relevant contract, calculated by multiplying quantity and price. Values are in TL and displayed in Million "M" or Thousand "K" when hovering over. Actual values are shown with piastre sensitivity when hovered over.

Amount Ask: It shows the total value of the organization's sales side matchings in the relevant contract, calculated by multiplying quantity and price. Values are in TL and displayed in Million "M" or Thousand "K" when hovering over. Actual values are shown with piastre sensitivity when hovered over.

Amount Net: It represents the difference between the sales amount and the purchase amount for the organization in the relevant contract. Values are in TL and displayed in Million "M" or Thousand "K" when hovering over. Actual values are shown with piastre sensitivity when hovered over.

Last Trade PCR: It is the Price Change Ratio between the first matching and the last matching in the relevant contract.

$$\text{PCR} = \frac{\text{Last matching price}}{\text{First matching price}} * 100$$

↑ Indicates that the last matching price in the relevant contract is higher than the price of the first matching

↔ Indicates that the last matching price in the relevant contract is equal to the price of the first matching

↓ Indicates that the last matching price in the relevant contract is lower than the price of the first matching.

Last Trade Price: It is the price information of the last matching in the relevant contract. The price is in TL/MWh. It has a sensitivity of two decimal places.

↑ Indicates that the last matching price is higher than the previous matching price.

↔ Indicates that the last matching price is equal to the previous matching price.

↓ Indicates that the last matching price is lower than the previous matching price.

Last Trade Quantity: It is the quantity information of the last matching in the relevant contract. It is in Lot. 1 Lot is equivalent to 0.1 MW.

Matching Indicators Max P: It is the information of the highest-priced matching in the relevant contract. The price is in TL/MWh. It has a sensitivity of two decimal places.

Matching Indicators Min P: It is the information of the lowest-priced matching in the relevant contract. The price is in TL/MWh. It has a sensitivity of two decimal places.

Matching Indicators Max Qty: It is the information of the highest quantity matching in the relevant contract. It is in Lot. 1 Lot is equivalent to 0.1 MW.

Matching Indicators Min Qty: It is the information of the lowest quantity matching in the relevant contract. It is in Lot. 1 Lot is equivalent to 0.1 MW.

Contract Indicators Total Qty: It is the total quantity information of all matchings in the relevant contract. Values are in Lot. 1 Lot is equivalent to 0.1 MW.

Contract Indicators Total A: It is the total amount, value of quantity, and price multiplications of all matchings in the relevant contract. Values are in TL and displayed in Million "M" or Thousand "K" when hovering over. Actual values are shown with piastre sensitivity when hovered over.

OTR (Order Trade Ratio): It is the value resulting from the calculation of the orders, updates in the orders, and matchings according to the Method¹ published by the Market Operator. The OTR calculation is contract-based, and the value shown in the OTR column is calculated as described in the mentioned below:

$$\text{OTR} = \frac{\text{Number of Orders} + (\text{Number of Updates})}{\text{Number of Matchings}} - 1$$

OUN: The total of the orders submitted by a market participant and the updates made to these orders on a contract basis. It is calculated as described in the procedure¹ published by the Market Operator and the threshold value is determined. If the threshold value is exceeded, the Order Update Number (OUN), which is applied as 100 milliseconds, is started to be applied as 5 seconds.

Net Status Limit Purchase: It is the organization's net position limit information for the relevant contract on the purchase side.

¹ The detailed calculation method for OTR is specified in the Method for Technical Requirements of Orders Submitted in the Intraday Market.

Net Status Limit Sales: It is the organization's net position limit information for the relevant contract on the sales side.

Remaining Hourly Limit Purchase: It is the organization's remaining hourly limit information for the purchase side in the relevant hour.

Remaining Hourly Limit Sales: It is the organization's remaining hourly limit information for the sales side in the relevant hour.

4.2.1.2 Hourly Order Book Icons and Order Options



Figure 12: Hourly Order Book-Icons

1. Contract filter opens and the pop-up shows up by clicking

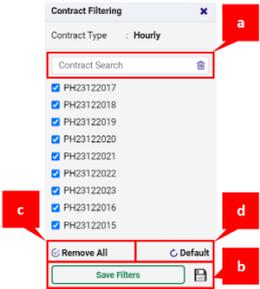


Figure 13: Hourly Order Book-Contract Filter Pop-up

- a. Contracts can be searched by typing the contract name in the Contract Search field.
- b. Selected contracts can be saved and shown on the order book with icon.
- c. Selected contracts can be unselected with icon.
- d. All active and nearly closed contracts will be selected with icon.

2. By clicking icon, a pop-up where users can save orders for any active contract is shown up.

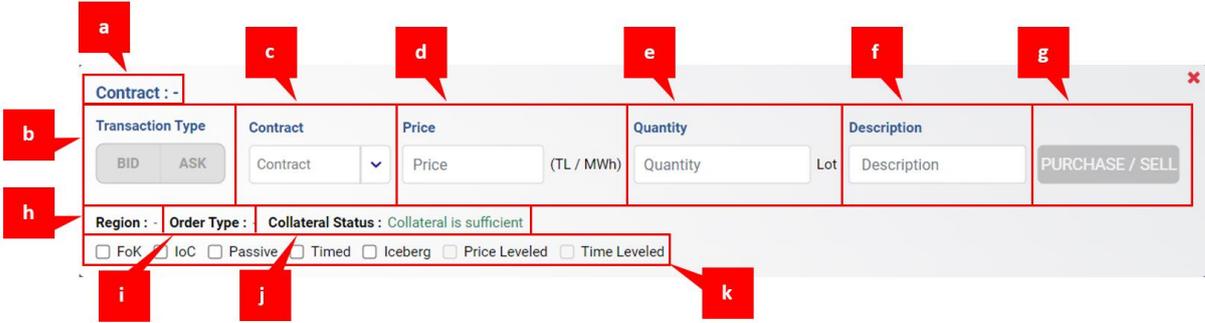


Figure 14: Hourly Order Book-Save Order Icon

- In the save order pop-up:
- a. The name of the selected contract is displayed.

- b. It's the area where the user selects the type of transaction, either bid or ask.
- c. It's the area where the user selects the contract for the transaction.
- d. It's the area where the user enters the price information for the order. The price is in TL/MWh with a sensitivity of 0.1 TL/MWh.
- e. It's the area where the user enters the quantity information for the order. The quantity is in Lot and should be a whole number.
- f. It's the description field for the order. The user can enter a maximum of 140 characters.
- g. The "PURCHASE/SELL" icon indicates the transaction type: "PURCHASE" if buying is selected, "SELL" if selling is selected. This icon is used to save the order.
- h. It shows the region.
- i. It indicates the type of order the user is saving: Only hourly orders can be selected.
- j. It indicates whether the organization's collateral is sufficient.
- k. Orders can be saved with options such as "FoK", "IoC", "Passive", "Timed", "Iceberg", "Price-Leveled", and "Time-Leveled" selected.

FoK (Fill or Kill): When the "FoK" option is selected in the hourly order book, the saved order is immediately executed or automatically canceled, and there is no partial execution. It does not appear in the order book. The order side, price, and quantity are entered into the system by specifying them.

OEYE (IoC): When the "IoC" option is selected in the hourly order book, the saved order is immediately executed or automatically canceled. Orders can be partially executed; the non-executed quantity is automatically canceled. It does not appear in the order book. The order side, price, and quantity are entered into the system by specifying them.

Passive: When the "Passive" option is selected in the hourly order book and the order is saved, the order will not be executed or prioritized unless activated by the user. If the passive order is not activated until the contract closing time, it will expire.

Timed: When the "Timed" option is selected, the user determines the duration during which the order will remain active before the contract closing time. If the timed order is not matched within the specified period, the order is canceled. When this option is selected, a date and time selection screen will appear under the order entry pop-up. The expiration time for a timed order can be a minimum of 5 minutes after the earliest time the order is saved and a maximum of 5 minutes before the contract closure time.

Figure 15: Hourly Order Book-Timed Option Pop-up

Iceberg: An iceberg order is saved to the market by entering Total Quantity and Level Quantity. When the user selects the "Iceberg" option, the Level Quantity and Number of Levels fields appear at the bottom of the order entry pop-up. Level Quantity is the order quantity specified for each level, ranging from a minimum of 25 Lot to a maximum of 500 Lot. The maximum quantity to be entered for an iceberg order is 1,000 Lot. The Level Number is not determined by the user; it is determined by dividing the entered total quantity by the level quantity. In the iceberg order option, initially, the first-level order appears in the order book. After each order at each level in the order book is matched,

subsequent-level orders appear in the order book until the entire order is matched. If any level of the iceberg order that remains active in the order book until the contract closing time is not matched, this level and subsequent levels are canceled.

Figure 16: Hourly Order Book-Iceberg Option Pop-up

Additionally, after iceberg orders are saved, they can be updated from the "My Orders" section with price and quantity information. In quantity updates, the quantity cannot be updated to be less than or equal to the initially entered level quantity. The price, however, can be updated as desired. The example below illustrates that when updating the quantity of an iceberg order with an initially entered level quantity of 30 Lot, a minimum of 31 Lot must be entered.

Figure 17: Iceberg Option Update Pop-up

There are some detailed situations related to the matching rules of iceberg orders. These situations are described in detail in the scenarios below. In the scenarios below, marked orders refer to iceberg orders:

Scenario 1: Matching a Pending Normal Order in the Bid Book with an Iceberg Order

If an iceberg order that can match with a pending normal order comes in the order book, the matching price, as long as the matching continues, is the price of the initially entered normal order. The normal order is a purchase order for 200 Lot at 140 TL/MWh, while the iceberg order is a sales order for the total quantity of 150 Lot at 120 TL/MWh, with a level quantity of 50 Lot.

Registration Time	Sales Price	Quantity		Purchase Price	Quantity	Registration Time
13.50	120	50		140	200	13.46
		50				
		50				

Matchings	
Matching Price	Matching Quantity
140	50
140	50
140	50

Figure 18: Matching a Pending Normal Order in the Bid Book with an Iceberg Order

Scenario 2: Matching a Pending Iceberg Order in the Bid Book with a Normal Order

If a normal order that can match with a pending iceberg order comes in the order book, the matching price, as long as the matching continues, is the price of the initially entered iceberg order. It is essential to note that the prices of the second and third-level matchings continue from the price of the iceberg order. The normal order is a purchase order for 200 Lot at 140 TL/MWh, while the iceberg order is for a total quantity of 150 Lot at 120 TL/MWh, with a level quantity of 50 Lot.

Registration Time	Sales Price	Quantity		Purchase Price	Quantity	Registration Time
13:20	120	50		140	200	13:46
		50				
		50				

Matchings	
Matching Price	Matching Quantity
120	50
120	50
120	50

Figure 19: Matching a Pending Iceberg Order in the Bid Book with a Normal Order

Scenario 3: Matching a Pending Iceberg Order and a Normal Order at the Same Price in the Order Book with a Normal Order

If there are pending iceberg and normal orders at the same price in the order book, and an opposite side order that can match comes in, the matching starts with the active first level of the iceberg order if it was saved first. After matching the active first level of the iceberg order, the pending normal order at the same price starts matching. After the normal order is fully matched, if there is an iceberg order, its second level starts matching. The normal orders include a purchase order at 140 TL/MWh for 200 Lot and a sales order at 120 TL/MWh for 100 Lot. The iceberg order is a purchase order for a total quantity of 150 Lot at 120 TL/MWh, with a level quantity of 50 Lot.

Registration Time	Order ID	Sales Price	Quantity		Purchase Price	Quantity	Order ID	Registration Time
13:20	1	120	50		140	200	3	13:46
			50					
			50					
13:28	2	120	100					

Matchings		
Matched Order ID	Matching Price	Matching Quantity
1-3	120	50
2-3	120	100
1-3	120	50

Figure 20: Matching a Pending Iceberg Order and a Normal Order at the Same Price in the Order Book with a Normal Order

Scenario 4: Matching Multiple Pending Iceberg Orders in the Order Book with a Normal Order

If there are multiple iceberg orders at the same price and on the same side in the order book and a normal order comes in the opposite side suitable for matching, the active levels of the iceberg orders are matched sequentially according to the registration time. After the active level of the first iceberg order is fully matched, the active level of the second iceberg order starts matching. The active level quantity of iceberg orders at the same price level cannot start matching the other iceberg order until the entire level quantity of the partially matched iceberg order is completely matched.

Registration Time	Order ID	Sales Price	Quantity	Purchase Price	Quantity	Order ID	Registration Time
13:20	1	120	50	130	150	4	13:46
			50				
			50				
13:27	2	120	80				
			80				
			80				
			80				
			80				
13:30	3	120	100				
			100				

Matchings		
Matched Order ID	Matching Price	Matching Quantity
1-4	120	50
2-4	120	80
3-4	120	20

Figure 21: Matching Multiple Pending Iceberg Orders in the Order Book with a Normal Order

In the example table, after the active parts of the first and second iceberg orders are matched, the active part quantity of the third iceberg order is partially matched. 20 Lot of the 100 Lot level quantity have been matched. The remaining 80 Lot, which have the order matching priority, will continue to wait for matching.

After the matchings that indicated in the upper table, a new order is saved as an order for the opposite side to the iceberg orders. The remaining 80 Lot of the order with Order ID 3 are matched, and then

the 10 Lot part of the order with Order ID 1 is matched. The order book continues to show a sales order at 120 TL/MWh for 40 Lot.

Registration Time	Order ID	Sales Price	Quantity	Purchase Price	Quantity	Order ID	Registration Time
13:46	1	120	50	120	90	5	13:50
			50				
13:46	2	120	80				
			80				
			80				
			80				
13:30	3	120	80				
			100				

Matchings		
Matched Order ID	Matching Price	Matching Quantity
3-5	120	80
1-5	120	10

Figure 22:A New Order Saved For Opposite Side of Iceberg

Scenario 5: Matching Two Iceberg Orders in the Counter Side

In the case of matching two iceberg orders on opposite sides, the initially entered iceberg order determines the matching price, depending on the registration time. This process continues until one of the iceberg orders is completed.

Registration Time	Order ID	Sales Price	Quantity	Purchase Price	Quantity	Order ID	Registration Time
13:20	1	120	50	140	40	2	13:46
			50		40		
			50		40		

Matchings		
Matched Order ID	Matching Price	Matching Quantity
1-2	120	40
1-2	120	10
1-2	120	30
1-2	120	20
1-2	120	20

Figure 23:Matching of Two Iceberg Orders

Price Leveled: When the "Price Leveled" order option is selected, the user saves connected orders to the market with different prices and quantities. After filling in the Transaction Type, Contract, Price, and Quantity fields, selecting the Price Leveled option opens an area at the bottom of the pop-up where the user can enter price and quantity information for each level. Using the [Add Level](#) icon will add a level.

PH23121320

Transaction Type: Contract: PH23121320 Price: ₪1,500.00 (TL / MWh) Quantity: 50 Lot Description:

MCP: 85.14 (TL / MWh)

Region: TR1 Order Type: Hourly Collateral Status: Collateral is sufficient

FoK IoC Passive Timed Iceberg Price Levelled Time Levelled

Level	Price	Quantity	Transactions
1 Level	₪1,500.00	50	
2 Level	₪1,600.00	60	
3 Level	₪1,700.00	45	
4 Level	₪1,800.00	80	
5 Level			

Figure 24: Price Levelled Order Option Pop-up

Price Levelled Order Option:

- Saved to the market with a minimum of 2 and a maximum of 5 levels.
- The minimum quantity that can be entered for each level is 1 Lot, and there is no quantity limit between levels.
- When one level is active, the subsequent levels are in a passive state.
- Skipping levels is not allowed. (If a value is entered for the first level and the third level for purchase or sales, the system warns, and the order is not saved.)
- When saving a purchase order, the entered price for each level must be equal to or lower than the price of the order in the previous level. An order cannot be entered with a lower price for sales orders and a higher price for purchase orders.
- When saving a sales order, the entered price for each level must be equal to or higher than the price of the order in the previous level. An order cannot be entered with a lower price for sales orders and a higher price for purchase orders.
- All levels are saved to the order book with the same order ID.
- The levels of the order can be viewed from the main page in the "My Orders" section with the icon.
- Each level of the order operates like a normal order, meaning the initially saved order takes priority. When transitioning from one level to another, the priority of order changes, and the relevant level is prioritized as if it were just saved. If an order matching the quantity higher than the level's quantity arrives when transitioning to the next level, the next level will be prioritized as if it were newly saved, resulting in a matching at the price of the counterparty's order.
- Price-levelled orders can not be updated after the order is saved.

Time Levelled: When the "Time Levelled" order option is selected, the user saves a fixed order quantity to the market at different prices that will be updated over time. After filling in the Transaction Type, Contract, Price, and Quantity fields, selecting the Time Levelled option opens an area at the bottom of the pop-up where the user can enter Price, Delivery Day, and Time information for each level. Using the icon will add a level.

PH23121320

Transaction Type: BID ASK Contract: PH23121320 Price: ₺1,500.00 (TL / MWh) Quantity: 50 Lot: Description:

MCP: 85.14 (TL / MWh)

Region: TR1 Order Type: Hourly Collateral Status: Collateral is sufficient

FoK IoC Passive Timed Iceberg Price Leveled Time Leveled

Level	Price	Quantity	Delivery Day	Time	Transactions
1 Level	₺1,500.00	50			
2 Level	₺1,400.00	50	12/13/2023	16:55	<input type="button" value="X"/> <input type="button" value="V"/> <input type="button" value="Trash"/>
3 Level	₺1,300.00	50	12/13/2023	17:22	<input type="button" value="X"/> <input type="button" value="V"/> <input type="button" value="Trash"/>
4 Level	₺1,200.00	50	12/13/2023	18:50	<input type="button" value="X"/> <input type="button" value="V"/> <input type="button" value="Trash"/>
5 Level					

Closure Time: 12/13/2023 18:55

Figure 25: Time Leveled Order Option Pop-up

Time Leveled Order Option:

- Saved to the market with a minimum of 2 and a maximum of 5 levels.
- The order quantity cannot be changed at any level.
- Levels of the order cannot be saved with equal prices.
- For purchase orders, the price entered for each level must be higher than the price of the order in the previous level. For sales orders, the price entered for each level must be lower than the price of the order in the previous level.
- At the moment of saving, the first level order becomes active. The time of saving the order (the moment the Purchase/Sell icon is pressed) becomes the first level time of that order. There is no delivery day and time selection for the first level.
- There must be a minimum of 15 minutes between each level.
- The time for the last level can be selected until 5 minutes before the contract closes.
- Orders cannot be entered for the second level before entering an order for the first level.
- The levels of the order can be viewed from the main page in the "My Orders" section.
- In case the order is fully matched, the order will transition to the "Matched" status and disappear from the order book. If the entire order quantity is not matched, the remaining quantity at each level's time will be updated with the level's price.
- In time-leveled orders, updates cannot be made after the order is saved.

3. When the  icon is clicked, a pop-up opens, allowing the user to upload bulk orders to the order book using Excel. In the pop-up, there is a downloadable Excel template for bulk orders. The appropriate Excel file is uploaded from here. After selecting the Excel file, the icon becomes active.

Bulk Order Upload

The file format you will upload should be in .xlsx (Excel) format.

Select File

[Excel template for bulk order upload](#)

Figure 26: Excel Template for Bulk Order

Once the file is uploaded, the orders pass through verification. The pop-up displays information about the success of the uploaded orders, or if unsuccessful, the reasons for failure. The process of uploading successful orders to the order book is done with the  icon., The  icon is used to cancel the upload of orders before they are saved into the order book.

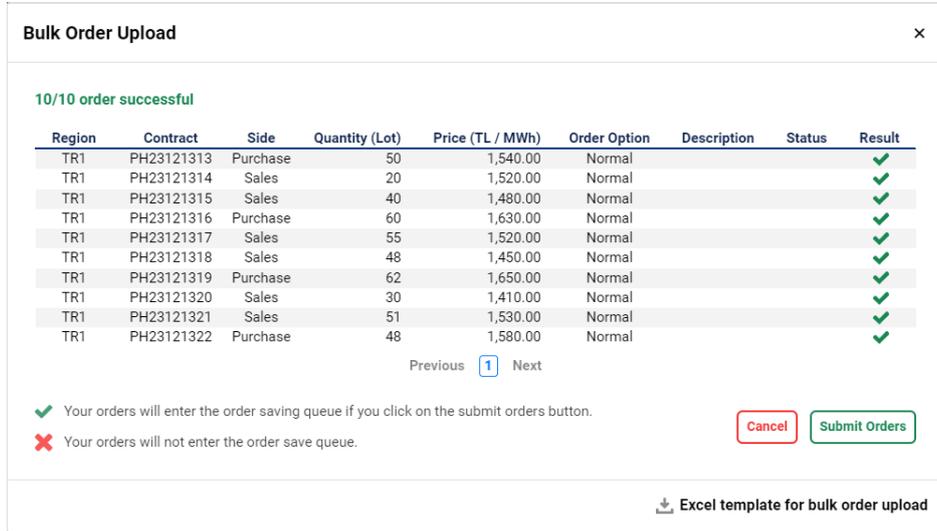


Figure 27: Bulk Order Information Pop-up

The sample Excel template for bulk order upload is available in the bulk order upload pop-up. By filling in the necessary information on this template, bulk order uploads can be completed.

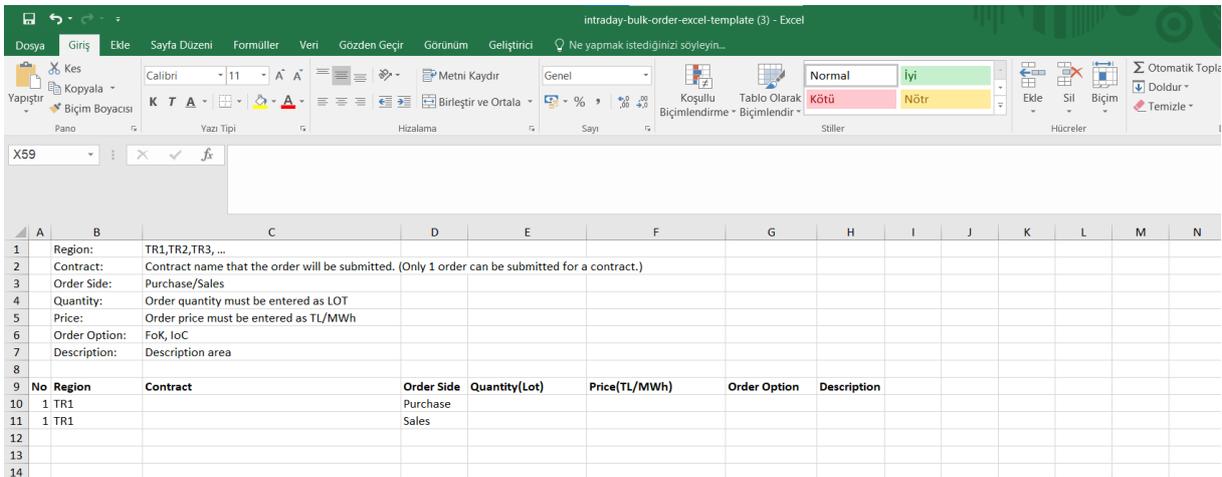


Figure 28: Bulk Order Excel Template

4. The  icon is used to customize the columns in the order book. You can drag and pin columns from here. First, activate the save changes icon. Then, if dragging or pinning is desired, enable the corresponding options. Even if entering and exiting the system after saving changes, the changes remain as saved.

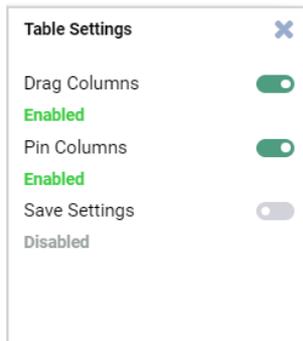


Figure 29: Hourly Order Book-Table Settings

Column dragging is done by grabbing the relevant column with the mouse and dragging it left or right. For column pinning, right-click on the header of the desired column and pin it to the right or left with the pop-up below.

HOURLY Save Order    

Contract	Bid		Gap	Ask		Prices	Remaining Time	Matching Quantity			My Best Orders			
	Quantity	Price		Price	Quantity			Bid	Ask	Net	Purchase Qty.	Purchase P.	Sales Qty.	Sales P.
PH231213 11	30	1,410.00	110.00	1,520.00	50	115	21m	0	0	0	30	1,410.00	50	1,520.00
PH231213 12				12.00	12	98	1h 21m	0	0	0			12	12.00
PH231213 13	53	1,480.00				102	2h 21m	12	12	0	53	1,480.00		
PH231213 14						111	3h 21m	0	0	0				
PH231213 15	30	1,500.00	300.00	1,800.00	30	102.42	4h 21m	0	0	0	30	1,500.00	30	1,800.00
PH231213 16	12	123.00				103.58	5h 21m	0	0	0	12	123.00		
PH231213 17	38	1,400.00				87.29 123.00	6h 21m	12	12	0	38	1,400.00		
PH231213 18						98.34	7h 21m	0	0	0				
PH231213 19						89.15	8h 21m	0	0	0				
PH231213 20						85.14	9h 21m	0	0	0				
PH231213 21						95.57	10h 21m	0	0	0				

Figure 30: Hourly Order Book-Pin Column Pop-up

Initially, the "Bid Quantity-Price", "Gap", and "Ask Price-Quantity" columns are pinned on the left side of the order book.

5. The  icon allows the user to filter the columns they want to see in the order book. Within the specified titles, users can select, hide, or show specific columns.

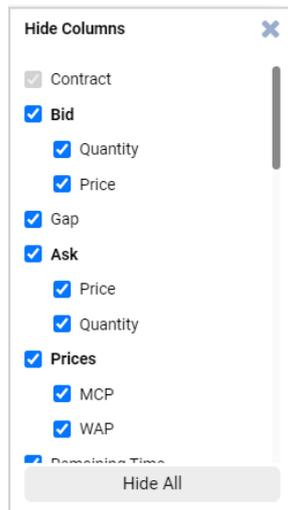


Figure 31: Hourly Order Book-Column Filter

6. The  icon enables the display of the hourly order book in a separate tab, independently from other sections.

4.2.1.3 Shortcuts on Hourly Order Book

When saving an order in the hourly order book, the following user-friendly shortcuts can be preferred:

- To open the order saving pop-up, left-click on the area containing the purchase and sales headers of the contract where the order is to be saved. Options such as "Create Order," "Quick Purchase," and "Quick Sale" appear.

Contract	Bid		Gap	Price
	Quantity	Price		
PH231213 11	30	1,410.00	110.00	1,520.00
PH231213 12				12.00
PH231213 13	53			
PH231213 14				
PH231213 15	30			1,800.00
PH231213 16	12			
PH231213 17	38			
PH231213 18				
PH231213 19				
PH231213 20				
PH231213 21				
PH231213 22				
PH231213 23				
PH231213 10				
PH231213 09				

Figure 32: Create Order-Quick Purchase-Quick Sale

- If "Create Order" is selected, the transaction type is displayed as not selected in the order saving pop-up. The selected contract is automatically displayed.

PH23121315

Transaction Type: BID ASK

Price: (TL / MWh)

Quantity: Lot

Description: PURCHASE / SELL

MCP: 102.42 (TL / MWh)

Region: TR1 Order Type: Hourly Collateral Status: Collateral Sufficient

FoK IoC Passive Timed Iceberg Price Leveled Time Leveled

Figure 33: Create Order Pop-up

- If "Quick Purchase" is selected, the transaction type in the order saving pop-up is set to bid, and the order saving pop-up is automatically filled with the best sales order's price and quantity.

EPİAŞ INTRADAY MARKET 16:29:43 12

HOURLY BLOCK Save Order

Contract	Bid		Ask Price	Quantity	MCP	WAP	Remaining Time	Matching Quantity			My Best Orders			
	Quantity	Price						Price	Quantity	Bid	Ask	Net	Purchase Qty.	Purchase P.
PH231213 18					98.34		30m	0	0	0				
PH231213 19					89.15		1h 30m	0	0	0				
PH231213 20					85.14		2h 30m	0	0	0				
PH231213 21	30	1,500.00	200.00	1,700.00	55	95.57	3h 30m	0	0	0	30	1,500.00	55	1,700.00
PH231213 22														
PH231213 23														
PH231213 17														
PH231213 16														

PH23121321

Transaction Type: BID ASK

Price: (TL / MWh)

Quantity: Lot

Description: PURCHASE

MCP: 95.57 (TL / MWh)

Region: TR1 Order Type: Saatlik Collateral Status: Collateral is sufficient

FoK IoC Passive Timed Iceberg Price Leveled Time Leveled

Figure 34: Quick Purchase Pop-up

- If "Quick Sale" is selected, the transaction type in the order saving pop-up is set to ask, and the order saving pop-up is automatically filled with the best purchase order's price and quantity.

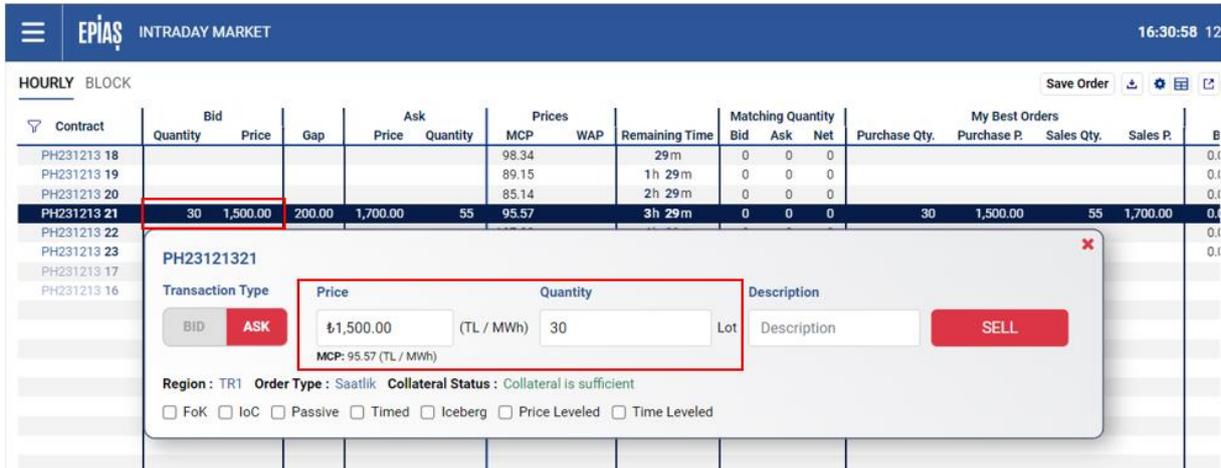


Figure 35: Quick Sale Pop-up

- Double-clicking on the best sales order in the order book works the same way as the "Quick Purchase" option. Double-clicking on the best purchase order in the order book works the same way as the "Quick Sale" option.
- When the "Gap" column for the selected contract in the order book is hovered over with the mouse, the best 5 sales order prices and the best 5 purchase order prices for that contract are displayed.

Bid		Ask	
Quantity	Price	Price	Quantity
30	1,500.00	1,620.00	60
75	1,450.00	1,710.00	45
		1,800.00	30

Figure 36: Price Gap-The Best 5 Orders

- When the user double-clicks on any of the values in the "My Best Orders" section on the order book, such as Purchase Qty., Purchase P., Sales Qty., and Sales P., the Order Update pop-up opens. With this pop-up, in addition to quickly updating the price and quantity information of the order, there is also an opportunity to make it Passive or Cancel it. If the order is price-leveled or time-leveled, updating is not allowed, only cancellation is allowed. In the Order Update pop-up, by clicking once on the cell of the value to be updated, a value can be entered as desired. Additionally, by double-clicking on the cell with the mouse, quick changes can be made with the shortcut icons (+10, +1, +0.1, -10, -1, -0.1). When

variables related to quantity are selected, only the shortcut icons for integers will be active.

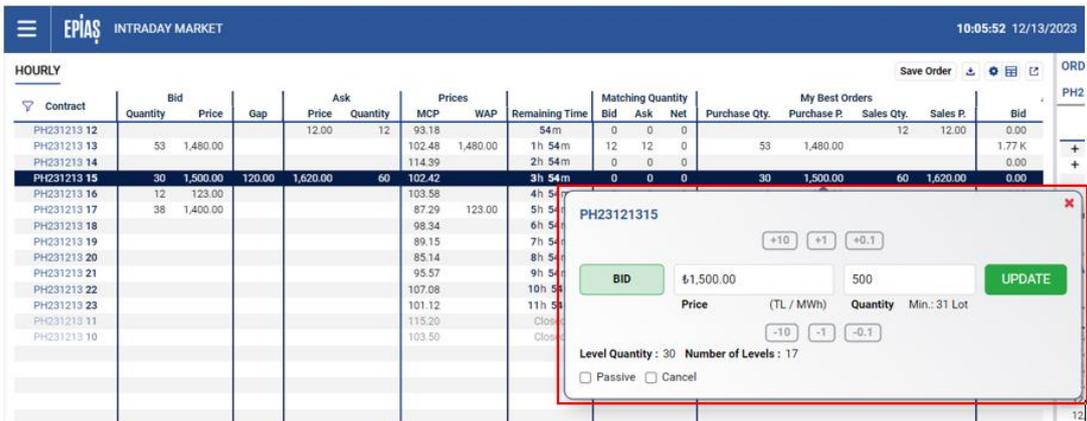


Figure 37: Quick Order Update

- After arranging the main page as desired, right-clicking once on the screen restores the main page to their initial state with the "Restore to Default" icon.

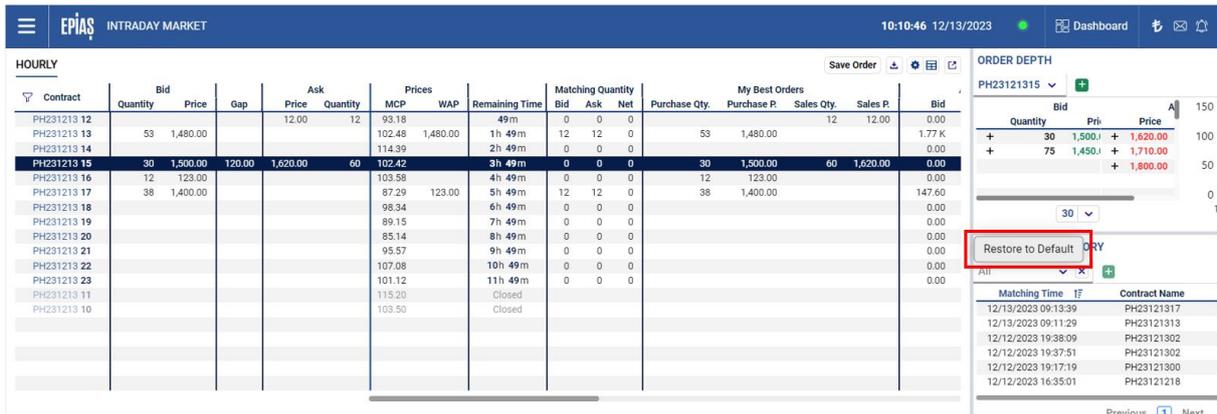


Figure 38: Restore to Default Icon

4.2.2 Order Depth

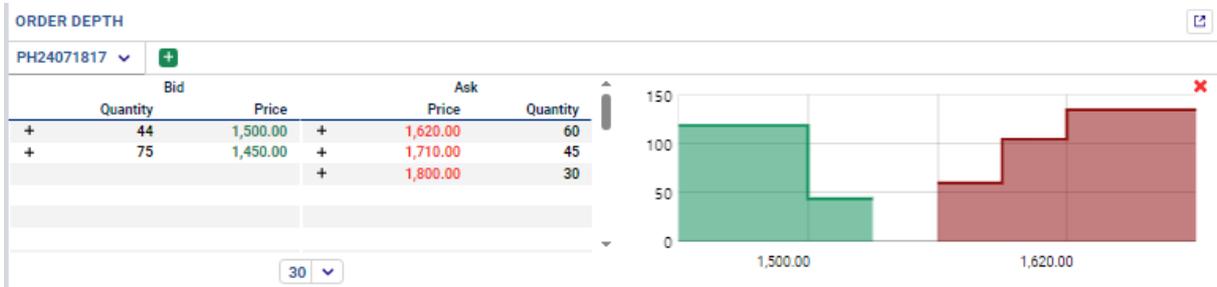


Figure 39: Order Depth

The area displays orders for the selected contract on both the purchase and the sales side with price and quantity information.

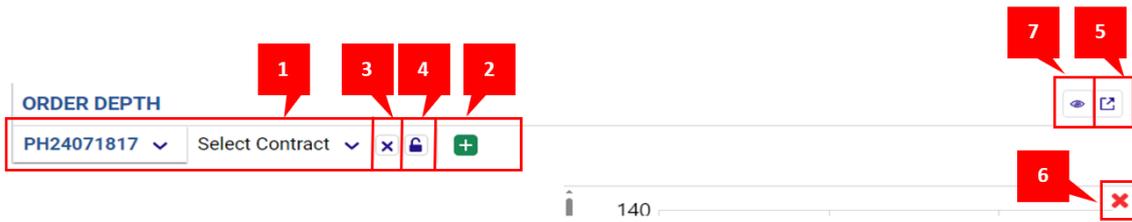


Figure 40: Order Depth Icons

1. The section where contracts are filtered.
2. Additional sections for filtering contracts can be created with the **+** icon.
3. The **x** icon can be used to close additional contract filtering sections.
4. The **lock** icon locks a selected contract in additionally opened contract filtering sections. Even if the user clicks on a different contract in the order book, the locked contract will remain fixed.
5. Clicking the **eye-in-square** icon displays the order depth independently in a separate tab. When this icon is clicked, the following pop-up opens on a new page. It is mandatory for the user to select Contract Type and Region.
6. The graph of the order depth can be closed with the **x** icon.
7. The **eye** icon appears when the order depth chart is turned off. The order depth chart can be reopened with this icon.

Settings

Contract Type
 ▼

Region
 ▼

Figure 41: Order Depth Contract Type and Region Filter



Figure 42: Order Depth Columns and Graphic

Bid Quantity: Displays the purchase quantity information of the orders placed on the respective contract. The quantities of purchase orders placed at the same price are summed. Clicking the "+" icon reveals purchase orders placed at the same price but with different quantities. Clicking the "-" icon closes the area opened with the "+" icon. The organization's purchase order quantity information is shown in bold letters.

Bid Price: Displays the purchase price information of the orders placed on the respective contract.

Ask Quantity: Displays the sales quantity information of the orders placed on the respective contract. The quantities of sales orders placed at the same price are summed. Clicking the "+" icon reveals sales orders placed at the same price but with different quantities. Clicking the "-" icon closes the area opened with the "+" icon. The organization's own sales order quantity information is shown in bold letters.

Ask Price: Displays the sales price information of the orders placed on the respective contract.

Graph Area: On the right side, the graph displays the depth of purchase and sales orders on the selected contract, showing price and quantity information.

The icon is used to select how much of the order depth will be displayed in the order book. The upper limit is 100.

4.2.3 Transaction History

TRANSACTION HISTORY ☰ ☰ ☰

All

Matching Time	Contract Name	Price	Quantity
12/13/2023 09:13:39	PH23121317	123.00	12
12/13/2023 09:11:29	PH23121313	1,480.00	12
12/12/2023 19:38:09	PH23121302	12.00	1
12/12/2023 19:37:51	PH23121302	2,000.00	1
12/12/2023 19:17:19	PH23121300	2,000.00	50
12/12/2023 16:35:01	PH23121218	1,320.00	82
12/12/2023 15:34:59	PH23121217	1,550.00	40
12/12/2023 15:34:56	PH23121220	1,560.00	20
12/12/2023 15:34:53	PH23121218	1,375.00	25

Previous Next

Figure 43: Transaction History

This is the area where the matching time, contract name, price, and quantity information for all contracts are displayed. When the page is opened, matchings are displayed in descending order from most recent to oldest. A participant sees their matching information in bold, and the display is based on the selected date range.



Figure 44: Transaction History Icons

1. This is the section where contracts are filtered. Within this filter, contracts for yesterday and today are displayed. When new contracts are created for the next delivery day at 6 p.m., contracts for the next day are also shown.
2. The icon can be used to close additional contract filtering sections.
3. The icon can be used to create two more sections for filtering contracts.

4. The  icon opens a pop-up. Users can select Start Date and End Date columns as desired. The selected options are saved by clicking the icon.

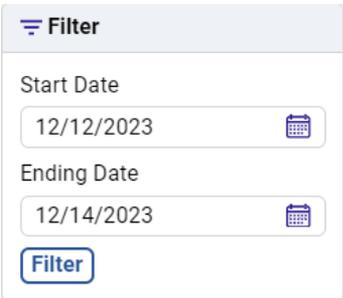


Figure 45: Transaction History Date Range Filter

5. The  icon displays matchings for the selected contract on the graph. The double-sided icon at the top of the graph allows for zooming in and out of the graph data.

6. The  icon allows for the separate display of transaction history in a new tab, independent of other areas.

Matching Time		Contract Name	Price	Quantity
12/13/2023 09:13:39		PH23121317	123.00	12
12/13/2023 09:11:29		PH23121313	1,480.00	12
12/12/2023 19:38:09		PH23121302	12.00	1
12/12/2023 19:37:51		PH23121302	2,000.00	1
12/12/2023 19:17:19		PH23121300	2,000.00	50
12/12/2023 16:35:01		PH23121218	1,320.00	82
12/12/2023 15:34:59		PH23121217	1,550.00	40
12/12/2023 15:34:56		PH23121220	1,560.00	20
12/12/2023 15:34:53		PH23121218	1,375.00	25
12/12/2023 14:52:30		PH23121218	1,200.00	20

Previous 1 Next

Figure 46: Transaction History Columns

Matching Time: Indicates the time when the matching occurred. Clicking on the column header allows sorting from oldest to newest or vice versa.

Contract Name: Displays the name of the contract where the matching occurred.

Price: Shows the matching price. Clicking on the column header allows sorting from highest to lowest or lowest to highest.

Quantity: Indicates the matching quantity.

With the help of the  icon, navigation between pages can be done.

4.2.4 My Orders

MY ORDERS

Time	IF	Contract	Side	Order P.	Order Qty.	Total Qty.	Remaining Iceberg Order Qty.	Status	Detail	ID	Version	Matching P.	Matching Q.	Remaining Qty.	Transaction
12/13/2023 11:00:00:072		PH23121312	Ask	12.00	12	12		CANCEL	TO	3088896368	2			12	SY
12/13/2023 11:00:00:071		PH23121312	Ask	1,740.00	50	50		CANCEL	TO	3088896364	2			50	SY
12/13/2023 10:13:30:221		PH23121315	Bid	1,500.00	14	14		ACTIVE	NE	3088896372	1			14	PH
12/13/2023 10:00:00:063		PH23121311	Bid	1,410.00	30	30		CANCEL	TO	3088896260	2			30	SY
12/13/2023 10:00:00:061		PH23121311	Bid	1,340.00	85	85		CANCEL	TO	3088896365	2			85	SY
12/13/2023 10:00:00:060		PH23121311	Ask	1,600.00	35	35		CANCEL	TO	3088896363	2			35	SY
12/13/2023 10:00:00:059		PH23121311	Ask	1,520.00	50	50		CANCEL	TO	3088896259	2			50	SY
12/13/2023 09:52:46:472		PH23121315	Bid	1,450.00	75	75		ACTIVE	NE	3088896371	1			75	PH
12/13/2023 09:52:39:078		PH23121315	Ask	1,710.00	45	45		ACTIVE	NE	3088896313	1			45	PH
12/13/2023 09:52:25:647		PH23121315	Ask	1,620.00	60	60		ACTIVE	NE	3088896370	1			60	PH
12/13/2023 09:13:39:923		PH23121317	Ask	123.00	12	12		MATCHED	AM	3088896310	2	123.00	12	0	PH
12/13/2023 09:13:39:913		PH23121317	Bid	1,400.00	50	50		ACTIVE	PM	3088896312	2	123.00	12	38	PH
12/13/2023 09:13:07:159		PH23121315	Ask	1,800.00	30	30		ACTIVE	NE	3088896511	1			30	PH
12/13/2023 09:12:46:586		PH23121316	Bid	123.00	12	12		ACTIVE	NE	3088896369	1			12	PH
12/13/2023 09:11:29:232		PH23121313	Bid	1,480.00	65	65		ACTIVE	PM	3088896261	2	1,480.00	12	53	PH
12/13/2023 09:11:29:222		PH23121313	Ask	123.00	12	12		MATCHED	AM	3088896367	2	1,480.00	12	0	PH
12/13/2023 09:07:42:497		PH23121315	Bid	1,500.00	30	500	470	ACTIVE	NE	3088896366	1			30	PH
12/12/2023 19:00:00:093		PH23121220	Bid	1,250.00	25	25		CANCEL	TO	3088896353	2			25	SY
12/12/2023 19:00:00:092		PH23121220	Ask	1,710.00	20	20		CANCEL	TO	3088896301	2			20	SY

Previous 1 Next 100

Figure 47: My Orders

This is the area where the organization’s orders and matchings from the last 3 days are displayed.

MY ORDERS

Time	IF	Contract	Side	Order P.	Order Qty.	Total Qty.	Remaining Iceberg	Transaction
12/13/2023 11:00:00:072		PH23121312	Ask	12.00	12	12		
12/13/2023 11:00:00:071		PH23121312	Ask	1,740.00	50	50		
12/13/2023 10:13:30:221		PH23121315	Bid	1,500.00	14	14		

Figure 48: My Orders Icons

1. Using the  icon, “Cancellation of All Orders in a Contract” can be performed on a contract basis. Clicking this icon opens the pop-up below, where the user can filter their active contracts with saved orders.

Cancellation of All Orders in a Contract

Contract Type

Contract Name

Figure 49: Cancellation of All Orders in a Contract

From the opened pop-up, Contract Type and Contract Name fields are selected, and by clicking the icon, the confirmation pop-up below is displayed. If the user wishes to proceed, they select "Yes," and “Cancellation of All Orders in a Contract” takes place. If "No" is chosen, the process is not continued, and the confirmation pop-up closes.

Contract-based order cancellation ×

Your orders in the PH23121315 contract will be cancelled. Do you approve this transaction?

Figure 50: Cancellation of All Orders in a Contract Warning Pop-up

2. Clicking the  icon downloads the “My Orders” page as an Excel file.

3. With the  icon, the positions of the titles in "My Orders" can be rearranged and fixed.
4. The  icon determines which columns are displayed or hidden in "My Orders."
5. Using the  icon, "My Orders" can be displayed in a separate tab, independent of other areas.
6. Clicking the  icon opens the Order Details pop-up, displaying detailed information about the order's history in both graph and table formats.



Figure 51: Order Details Pop-up

- In the Order Detail Graph, actions taken on the order from the registration time to the last moment (every version) are displayed. Clicking on any indicator in the graph corresponding data can be shown or removed.
- In the Order History Detail, actions taken on the order from the registration time to the last moment (every version) are displayed in a table format. This includes Order Time, Contract, Side, Order Price, Order Quantity, Order Status, Detail, Matching Price, Matching Quantity, Order ID, Matching ID, Version, User, Order Option, Description, and Region information.
- Use the  icon to specify the number of orders to be displayed on a single page in the Order History Detail. Options include 5, 10, 15, 20, 30, 50, and 100.
- Use the  icon in the bottom right corner to close the display.
- For an order with the order option "Iceberg," "Price Leveled," or "Time Leveled," there is a field in the Order Detail pop-up containing additional information about these options.
 - In the Iceberg Order Detail, you can find Price, Quantity, Total Matched Quantity, and Remaining Quantity information.

Iceberg Order Detail

Price	Quantity	Total Matched Quantity	Remaining Quantity
1,650.00	500		500

Figure 52: Iceberg in Order Detail Pop-up

- In the Time Leveled Order Detail, you can find Price, Quantity, Delivery Day, and Time information.

Time Leveled Orders				
	Price	Quantity	Delivery Day	Time
1	1,600.00	50		
2	1,500.00		12/13/2023	11:52
3	1,400.00		12/13/2023	12:36

Figure 53: Time Leveled in Order Detail Pop-up

- In the Price Leveled Orders Detail, you can find Price and Quantity information.

Price Leveled Orders	
	Quantity
1	60
2	40
3	55

Figure 54: Price Leveled in Order Detail Pop-up

Time	IF	Contract	Side	Order #	Order Qty	Total Qty	Remaining Iceberg Order Qty	Status	Detail	ID	Version	Matching P	Matching Q	Remaining Qty	User	Option	Description	Region	Transaction
12/13/2023 11:37:02:051		PH23121314	Ask	1,750.00	50	50		ACTIVE	NE	3088996373	1			50	PKXXXX	Price Leveled		TR1	
12/13/2023 11:36:09:248		PH23121314	Ask	1,600.00	50	50		ACTIVE	NE	3088996315	1			50	PKXXXX	Time Leveled		TR1	
12/13/2023 11:35:07:903		PH23121315	Ask	1,650.00	30	500	470	ACTIVE	NE	3088996314	1			30	PKXXXX	Iceberg		TR1	
12/13/2023 11:00:00:072		PH23121312	Ask	12.00	12	12		CANCEL	TO	3088996368	2			12	SYSTEM	Normal		TR1	
12/13/2023 11:00:00:071		PH23121312	Ask	1,740.00	50	50		CANCEL	TO	3088996364	2			50	SYSTEM	Normal		TR1	
12/13/2023 10:13:30:221		PH23121315	Bid	1,500.00	14	14		ACTIVE	NE	3088996372	1			14	PKXXXX	Normal		TR1	
12/13/2023 10:00:00:063		PH23121311	Bid	1,410.00	30	30		CANCEL	TO	3088996260	2			30	SYSTEM	Normal		TR1	
12/13/2023 10:00:00:061		PH23121311	Bid	1,340.00	85	85		CANCEL	TO	3088996366	2			85	SYSTEM	Normal		TR1	
12/13/2023 10:00:00:060		PH23121311	Ask	1,600.00	35	35		CANCEL	TO	3088996363	2			35	SYSTEM	Normal		TR1	
12/13/2023 10:00:00:059		PH23121311	Ask	1,520.00	50	50		CANCEL	TO	3088996299	2			50	SYSTEM	Normal		TR1	
12/13/2023 09:52:46:472		PH23121315	Bid	1,650.00	75	75		ACTIVE	NE	3088996371	1			75	PKXXXX	Normal		TR1	
12/13/2023 09:52:39:078		PH23121315	Ask	1,710.00	45	45		ACTIVE	NE	3088996313	1			45	PKXXXX	Normal		TR1	
12/13/2023 09:52:25:647		PH23121315	Ask	1,620.00	60	60		ACTIVE	NE	3088996370	1			60	PKXXXX	Normal		TR1	
12/13/2023 09:13:39:923		PH23121317	Ask	123.00	12	12		MATCHED	AM	3088996310	2	123.00	12	0	PKXXXX	Normal		TR1	
12/13/2023 11:38:16:977		PH23121317	Bid	1,400.00	50	50		ACTIVE	UP	3088996312	4	123.00	12	38	PKXXXX	Normal		TR1	
12/13/2023 09:13:07:159		PH23121315	Ask	1,800.00	30	30		ACTIVE	NE	3088996311	1			30	PKXXXX	Normal		TR1	
12/13/2023 09:12:46:586		PH23121316	Bid	123.00	12	12		ACTIVE	NE	3088996369	1			12	PKXXXX	Normal		TR1	
12/13/2023 09:11:29:222		PH23121313	Bid	1,480.00	65	65		ACTIVE	PM	3088996261	2	1,480.00	12	53	PKXXXX	Normal		TR1	
12/13/2023 09:11:29:222		PH23121313	Ask	123.00	12	12		MATCHED	AM	3088996367	2	1,480.00	12	0	PKXXXX	Normal		TR1	
12/13/2023 09:07:42:497		PH23121315	Bid	1,500.00	30	500	470	ACTIVE	NE	3088996366	1			30	PKXXXX	Iceberg		TR1	
12/12/2023 19:00:00:093		PH23121220	Bid	1,250.00	25	25		CANCEL	TO	3088996353	2			25	SYSTEM	Normal		TR1	
12/12/2023 19:00:00:092		PH23121220	Ask	1,710.00	20	20		CANCEL	TO	3088996301	2			20	SYSTEM	Normal		TR1	
12/12/2023 19:00:00:090		PH23121220	Ask	1,620.00	45	45		CANCEL	TO	3088996262	2			45	SYSTEM	Normal		TR1	

Figure 55: My Orders Columns

Time: Displays the time of registration or matching for the respective order. Clicking on the column header allows sorting from oldest to newest or vice versa.

Contract: Shows the name of the contract where the order was saved. The pop-up below will show up with  icon.

Contract 

Contract Type

Select 

Contract Name

Select 

Figure 56: My Orders-Contract Filter

The user can select desired contracts using the Contract Type and Contract filters in this pop-up. In the Contract filter, the **Select all** icon allows selecting all options. The selected ones can be saved with the icon, and the  icon is used to delete the chosen contracts.

Side: Indicates whether the order is for Bid or Ask. Clicking on the  icon opens a pop-up for selecting.

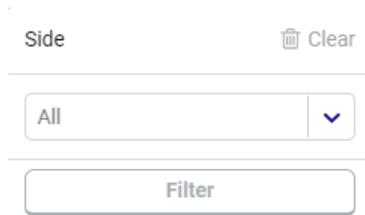


Figure 57: My Orders-Side Filter

The user can select Bid or Ask. The selected ones can be saved with the  icon, and the  icon is used to delete the chosen contracts.

Order P.: Represents the price of the order in TL/MWh with two decimal places of sensitivity.

Order Qty.: Represents the quantity of the order in "Lot," where 1 Lot is equivalent to 0.1 MW.

Total Qty.: Shows the total quantity of the order in "Lot." For iceberg option orders, Total Qty differs from Order Qty. Total Qty equals to sum of Order Qty and the remaining iceberg quantity.

Remaining Iceberg Order Qty.: For iceberg option orders, it indicates the quantity invisible in the order book. Quantity is in "Lot", where "Lot is equivalent to 0.1 MW.

Status: Displays the status of the order, which can be "Active", "Passive", "Matched", or "Cancelled". Clicking on the icon opens a pop-up for filtering order status.

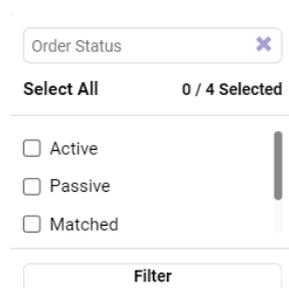


Figure 58: My Orders-Status Filter

The user can select "Active", "Passive", "Matched", and "Cancelled" statuses from this pop-up. The **Select All** icon allows selecting all options, while the **Remove All** icon cancels the selected options. The  icon is used to save the filtering.

Details: Provides additional details about the status of the order. Clicking on the  icon opens a pop-up for filtering details.

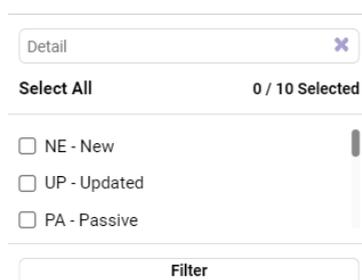


Figure 59: My Orders: Details Filter

The user can select options such as "NE-New", "UP-Updated", "PA-Passive", "PM-Partially Matched", "TO-Time Out", "IC-Insufficient Collateral", "PAC-Participation Agreement Canceled", "CA-Canceled", "AM-All Matched", and "OA-Objection Acceptance" from this pop-up. The  icon allows selecting all options, while the  icon cancels the selected options. The  icon is used to save the filtering. The table below shows the details of the order.

Status	Long Name	Short Name	Description
Active	New	NE	Indicates that the order is new.
Active	Updated	UP	Indicates that the order has been updated.
Active	Partially Matched	PM	Indicates that the order has partially matched.
Passive	Passive	PA	Indicates that the order was saved as passive during the initial registration or updated to passive later.
Canceled	Timed Out	TO	Indicates that the order has been canceled due to timeout.
Canceled	User Cancellation	UC	Indicates that the user has canceled their order.
Canceled	System Cancellation	SC	Indicates that the system has canceled the order.
Canceled	Insufficient Collateral	IC	Indicates that the order has been canceled due to the organization's insufficient collateral. Even if the organization's collateral becomes sufficient, the order won't be activated.
Canceled	Participation Agreement Canceled	PAC	Indicates that the order has been canceled due to the cancellation of the organization's market participation agreement. Even if the organization's market participation agreement is reactivated, the order won't be activated.
Canceled	Objection Acceptance	OA	Indicates that the objection has been accepted, and matchings and orders are canceled.
Matched	All Matched	AM	Indicates that the order has fully matched.
Matched	Objection Acceptance	OA	Indicates that the objection has been accepted, but matchings and orders have not been canceled.

Figure 60: Order Detail Table

ID: Displays the ID of the relevant order. The  icon opens the filtering pop-up below.

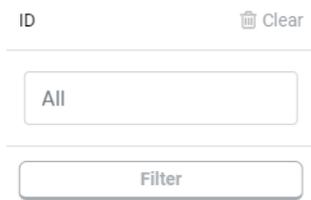


Figure 61: My Orders-Order ID Filter

The user can search for orders based on the desired order ID from this pop-up. After entering the desired order ID, filtering is saved by clicking the  icon. The selected order ID can be deleted by clicking the  icon.

Version: Displays the version of the relevant order.

Matching P.: If the relevant order is matched, it shows the matching price. In the case of partially matched, it displays the weighted average price of the relevant matchings. The price is in TL/MWh with two decimal places.

Matching Q.: If the relevant order is matched, it shows the matching quantity. The quantity is in "Lot" where 1 Lot is equal to 0.1 MW.

Remaining Qty.: Displays the unmatched quantity in the relevant order. The quantity is in "Lot" where 1 Lot is equal to 0.1 MW.

User: Shows the user who saved the relevant order.

Option: Displays the option of the relevant order. The order option can be "Normal", "IoC", "FoK", "Iceberg", "Price Leveled", or "Time Leveled". The  icon opens the filtering pop-up below.

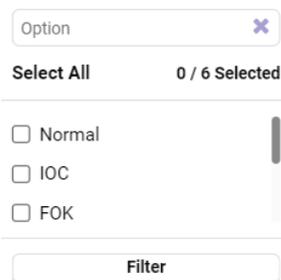


Figure 62: My Orders-Order Option Filter

The user can select "Normal", "IoC", "FoK", "Price Leveled", "Time Leveled", and "Iceberg" options from this pop-up. However, in this filtering area, "Passive" and "Timed" order options appear as "Normal". The  icon allows selecting all options, while the  icon cancels the selected options. The  icon is used to save the filtering.

Description: The field that displays the description entered when saving the respective order.

Region: The field that shows the order region.

Transaction: The area that is where updating, cancelling, and making passive operations are performed. The  icon opens the update pop-up for orders with Active and Passive status.

Figure 63: My Orders-Order Update Pop-up

In the opened pop-up, the Price, Quantity, and Description information of the order can be updated. The order can be made passive or canceled. The icon is used to quickly make active orders to passive. When the user clicks on this icon, the Quick Order Update confirmation pop-up appears.

Figure 64: Quick Order Update Confirmation Pop-up

In the opened pop-up, when the option is selected, the status of the order is changed to passive, and the icon changes accordingly. When the option is selected, no changes are made to the order. The user can reactivate their passive order with the icon . The icon quickly cancels active and passive orders. When the user clicks on this icon, the Cancel Order confirmation pop-up appears.

Figure 65: Cancel Order Confirmation Pop-up

In the opened pop-up, when the option is selected, the order status is set to be canceled. When the option is selected, no changes are made to the order.

The icon determines the number of orders to be displayed on a single page in the My Orders section, without switching to another page. There are options for displaying 5, 10, 15, 20, 30, 50, and 100 orders on one page.

4.2.5 My Matchings

MY MATCHINGS

Time	Order ID	Matching ID	Contract	Side	Status	Matching Status Detail	Price	Quantity	User	Region	Objection
07/17/2024 12:29:43:682	3088986254	3088925297	PH24071715	Ask	Valid	Matching Price	1,150.00	25	PKXXXX	TR1	Objection
07/17/2024 12:29:43:682	3088986143	3088925297	PH24071715	Bid	Valid	Matching Price	1,150.00	25	PKXXXX	TR1	
07/17/2024 12:29:43:680	3088986141	3088925296	PH24071715	Bid	Valid	Matching Price	1,150.00	50	PKXXXX	TR1	
07/17/2024 12:29:43:680	3088986254	3088925296	PH24071715	Ask	Valid	Matching Price	1,150.00	50	PKXXXX	TR1	
07/17/2024 12:13:13:576	3088986176	3088925295	PH24071723	Bid	Invalid (Matching Canceled)	Matching Canceled	1,520.00	21	SYSTEM	TR1	Accepted
07/17/2024 12:13:13:576	3088986253	3088925295	PH24071723	Ask	Invalid (Matching Canceled)	Matching Canceled	1,520.00	21	PKXXXX	TR1	
07/17/2024 12:13:13:365	3088986252	3088925294	PH24071722	Bid	Valid	Matching Price	1,450.00	56	PKXXXX	TR1	
07/17/2024 12:13:13:365	3088986175	3088925294	PH24071722	Ask	Valid	Matching Price	1,450.00	56	PKXXXX	TR1	
07/17/2024 12:13:13:152	3088986251	3088925293	PH24071721	Bid	Valid	Matching Price	1,950.00	24	PKXXXX	TR1	
07/17/2024 12:13:13:152	3088986174	3088925293	PH24071721	Ask	Valid	Matching Price	1,950.00	24	PKXXXX	TR1	
07/17/2024 12:13:12:910	3088986250	3088925292	PH24071720	Ask	Valid	MCP	126.83	15	PKXXXX	TR1	
07/17/2024 12:13:12:910	3088986173	3088925292	PH24071720	Bid	Valid	MCP	126.83	15	SYSTEM	TR1	Accepted
07/17/2024 12:13:12:673	3088986172	3088925291	PH24071719	Ask	Valid	Matching Price	1,740.00	35	PKXXXX	TR1	
07/17/2024 12:13:12:673	3088986149	3088925291	PH24071719	Bid	Valid	Matching Price	1,740.00	35	PKXXXX	TR1	
07/17/2024 12:13:12:489	3088986148	3088925290	PH24071718	Bid	Valid	Matching Price	1,620.00	50	PKXXXX	TR1	
07/17/2024 12:13:12:489	3088986171	3088925290	PH24071718	Ask	Valid	Matching Price	1,620.00	50	PKXXXX	TR1	

Previous 1 Next 100

Figure 66: My Matchings

This section displays the organization's matchings that belong to the last 3 days.

MY MATCHINGS

Time	Order ID	Matching ID	Contract	Side	Status	Matching Status Detail	Price	Quantity	User	Regio	Objection
07/23/2024 14:15:36:054	3088988036	3088925723	PH24072321	Bid	Valid	Matching Price	100.00	12	PK361	TR1	Objection
07/23/2024 14:15:36:054	3088988069	3088925723	PH24072321	Ask	Valid	Matching Price	100.00	12	PK361	TR1	Objection
07/23/2024 14:15:23:338	3088987996	3088925768	PH24072319	Bid	Valid	Matching Price	1,200.00	10	PK361	TR1	Objection

Figure 67: My Matchings Icons

1. Clicking the  icon downloads the "My Matchings" page as an Excel file.
2. With the  icon, the positions of the titles in "My Matchings" can be rearranged and fixed.
3. The  icon determines which columns are displayed or hidden in "My Matchings."
4. Using the  icon, "My Matchings" can be displayed in a separate tab, independent of other areas.

MY MATCHINGS

Time	Order ID	Matching ID	Contract	Side	Status	Matching Status Detail	Price	Quantity	User	Regio	Objection
07/23/2024 14:15:36:054	3088988036	3088925723	PH24072321	Bid	Valid	Matching Price	100.00	12	PK361	TR1	Objection
07/23/2024 14:15:36:054	3088988069	3088925723	PH24072321	Ask	Valid	Matching Price	100.00	12	PK361	TR1	Objection
07/23/2024 14:15:23:338	3088987996	3088925768	PH24072319	Bid	Valid	Matching Price	1,200.00	10	PK361	TR1	Objection

Figure 68: My Matchings Columns

Time: Displays the time of the respective matching. Clicking on the column header allows sorting from oldest to newest or vice versa.

Order ID: Displays the ID of the relevant order that matching occurred. The  icon opens the filtering pop-up below.

Figure 69: My Matchings-Order ID Filter

The user can search for orders based on the desired order ID from this pop-up. After entering the desired order ID, filtering is saved by clicking the  icon. The selected order ID can be deleted by clicking the  icon.

Matching ID: Displays the matching ID of the relevant matching order. The  icon opens the filtering pop-up below.

Figure 70: My Matchings-Matching ID Filter

The user can search for matching based on the desired matching ID from this pop-up. After entering the desired matching ID, filtering is saved by clicking the  icon. The selected matching ID can be deleted by clicking the  icon.

Contract: Displays the name of the contract where the matching occurred. The pop-up below will show up with  icon.

Figure 71: My Matchings-Contract Filter

The user can select the desired contracts using Contract Type and Contract filters in this pop-up. All options in the contract filter can be selected with the  icon. The selected ones can be saved with  icon, and the selected contracts can be deleted with  icon.

Side: Indicates the direction of the relevant matching, which can be Bid or Ask.  icon opens the pop-up below.

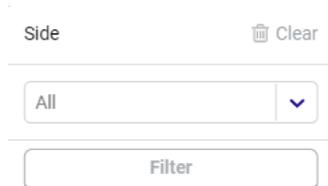


Figure 72: My Matchings-Side Filter

The user can choose between Bid and Ask options in this pop-up. The selected ones are saved with  icon. The selected ones are deleted with  icon.

Status: Shows the detail status of the relevant matching. There are three matching status details: "Matching Price", "Matching Cancellation" and "MCP". The matching status can be invalidated by the Market Operator due to an objection to the matching.  icon opens the filter pop-up below.

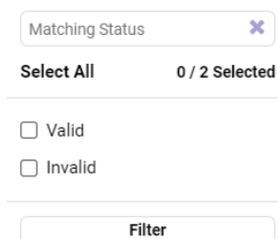


Figure 73: My Matching-Status Filter

The user can choose between "Valid" and "Invalid" options in this pop-up. All options in the status filter can be selected with the  icon. The selected ones can be saved with  icon, and the selected options can be deleted with  icon.

Price: Displays the price of relevant matching in TL/MWh with two decimal places of sensitivity.

Quantity: Displays the quantity of the relevant matching, in Lot. 1 Lot is equal to 0.1 MW.

User: The name of the user who created the relevant matching is displayed.

Region: Displays the order region.

Objection: This is the area where the user objects to the matching. An objection can be made to each matching up to 15 minutes after the matching. According to Article 66/H of the Balancing and Settlement Regulation, corrections cannot be made by the Market Operator for errors caused by market participants, and a fee of 1,000 TL is charged for objections rejected by the Market Operator in this context. If less than 15 minutes have passed since the matching, the objection icon  **Objection** is active. Clicking on the objection icon opens the description pop-up below.

Objection×

Objection Deadline: 08:02

Enter Description

According to Article 66/H of BSR, the Market Operator cannot make corrections for the errors originating from the market participants, and within this scope, a fee of 1,000 TL is charged for the objections rejected by the Market Operator.

CancelObjection

Figure 74: Objection Pop-up

In the opened pop-up, after entering the objection description in the "Enter Description" field, it is saved and sent to the Market Operator with the Objection icon. If no objection is made, the pop-up is closed with the Cancel icon. The objection status of the contested matching is shown as **Objected** until it is responded to by the Market Operator. If the objection is rejected, the status of the relevant objection is displayed as **Rejected**. If the objection is accepted, the status is displayed as **Accepted**. If the objection period has passed for the matching, the "Objection" column appears empty.

The 100 ▼ filter determines the number of matchings to be displayed on a single page in the "My Matchings" section without moving to another page. Options include 5, 10, 15, 20, 30, 50, and 100.

5. DASHBOARD

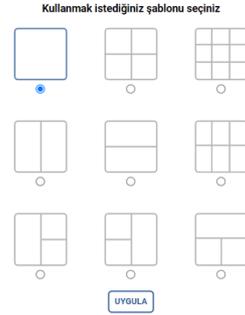


Figure 75: Dashboard Edit Screen

The dashboard section allows participants to view market prices and details of their organization's transactions through graphs or tables. Upon opening the screen, participants are prompted to choose a template from 9 options based on the data they want to view. After pressing the **APPLY** icon, the topic selection areas appear on the screen.

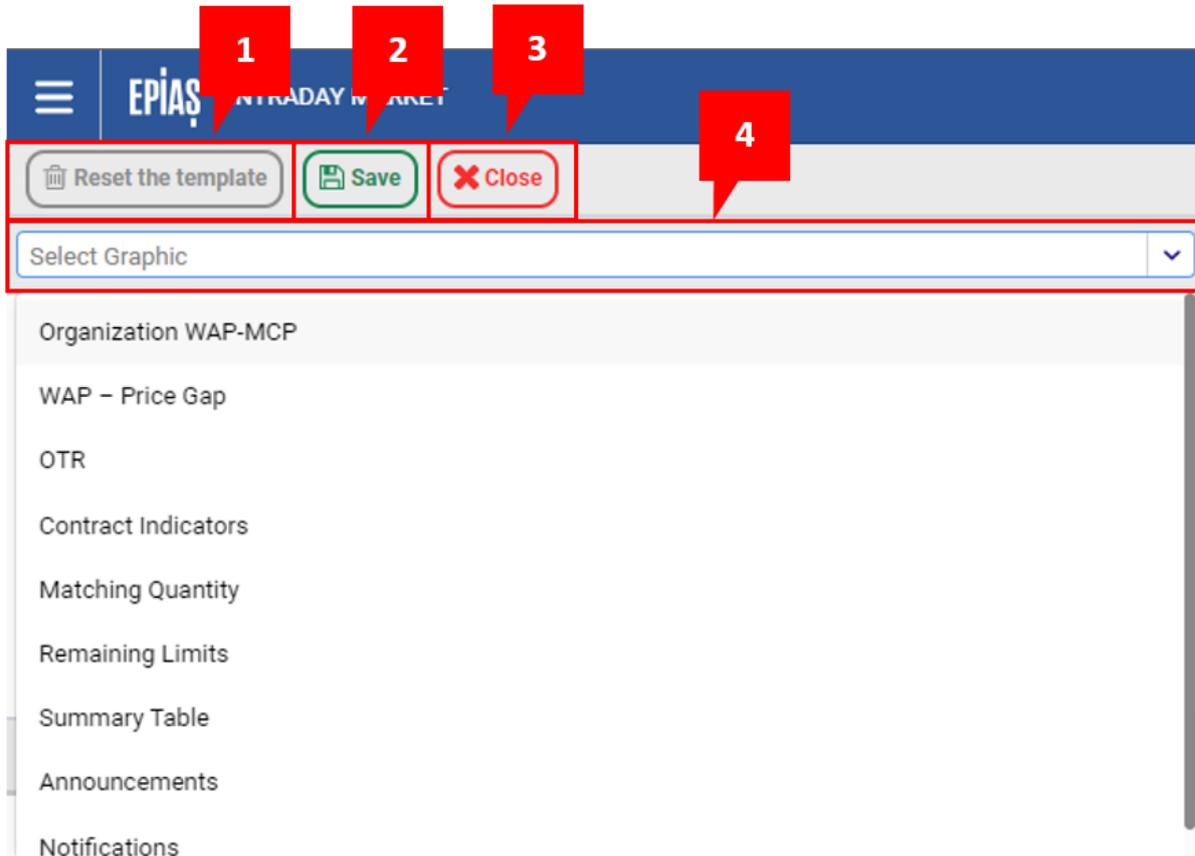


Figure 76: Dashboard Options

1. **Reset the template** option allows customization of a template

2. After the participant completes the customization based on the data they want to view, they click the  icon in the top row to save the template.
3.  option allows exiting the editing section without saving changes.
4. Selection is made for each topic opened from the "Select Graphic" filtering area.

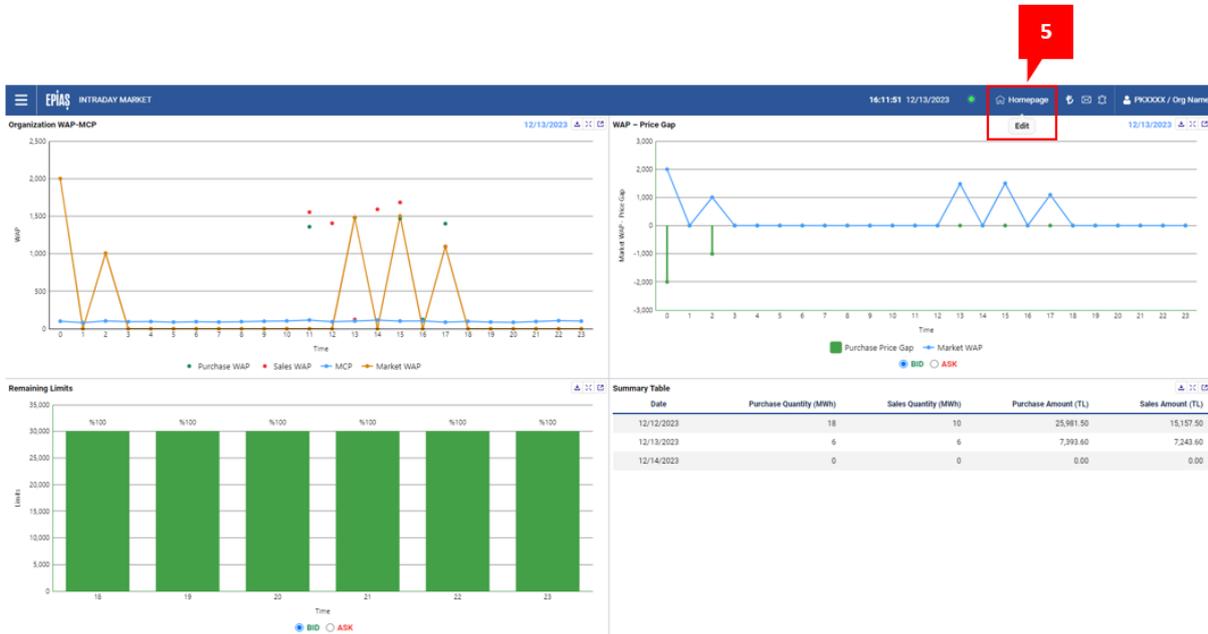


Figure 77: Edit Icon

5. If re-editing is needed, the "Edit" option is selected when hovering over the  icon in the upper right corner of the Dashboard screen. After choosing this option, the saved topic areas can be modified again.

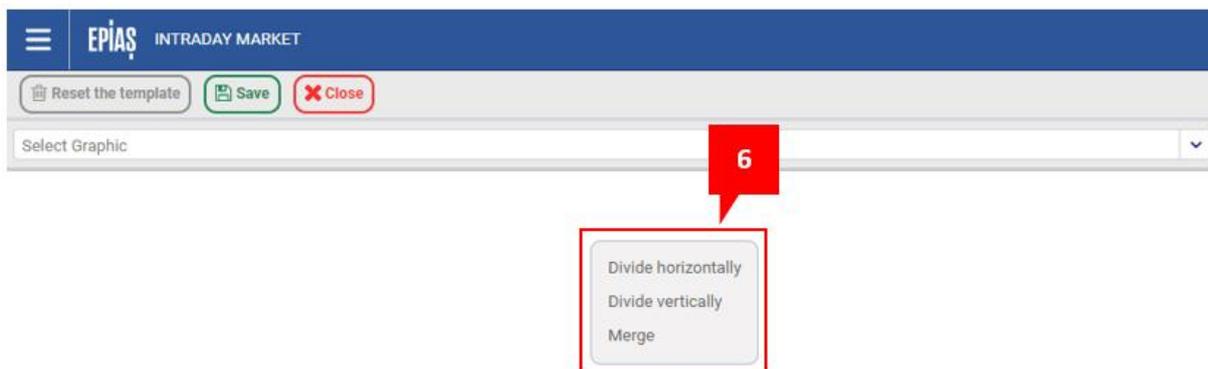


Figure 78: Divide Horizontally-Divide Vertically-Merge

6. While the "Edit" option is active, right-clicking anywhere on the screen reveals the "Divide Horizontally", "Divide Vertically", and "Merge" options

5.1 Organization WAP-MCP

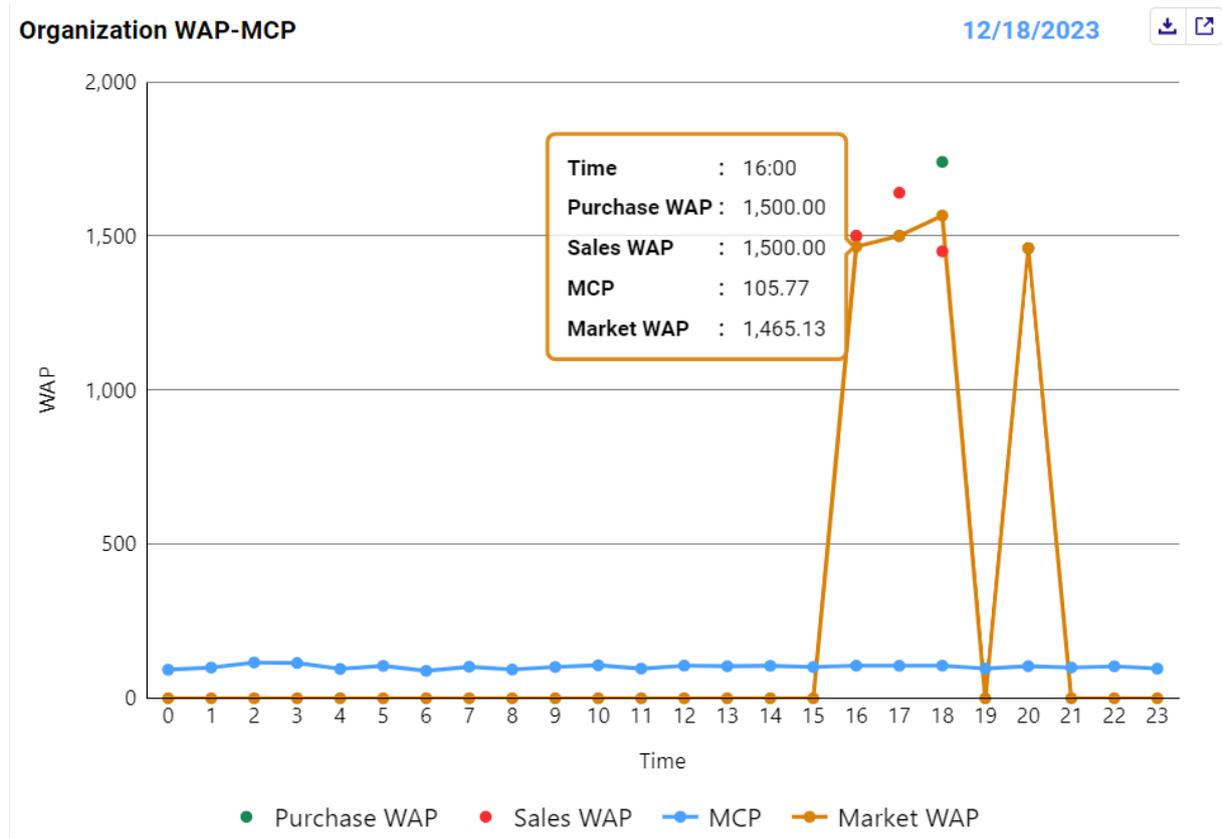


Figure 79: Organization WAP-MCP

Purchase WAP: Represents the organization's purchase-side orders. Clicking on the "Purchase WAP" indicator on the graph allows displaying or removing the Purchase WAP.

Sales WAP: Represents the organization's sales-side orders. Clicking on the "Sales WAP" indicator on the graph allows displaying or removing the Sales WAP.

MCP: The market clearing price calculated in the Day-Ahead Market. Clicking on the "MCP" indicator on the graph allows displaying or removing the MCP.

Market WAP: The weighted average price resulting from all matchings in the Intraday Market during a specific hour of the day. Clicking on the "Market WAP" indicator on the graph allows displaying or removing the Market WAP.

Displays the values of the hours for the current day.

5.2 WAP-Price Gap

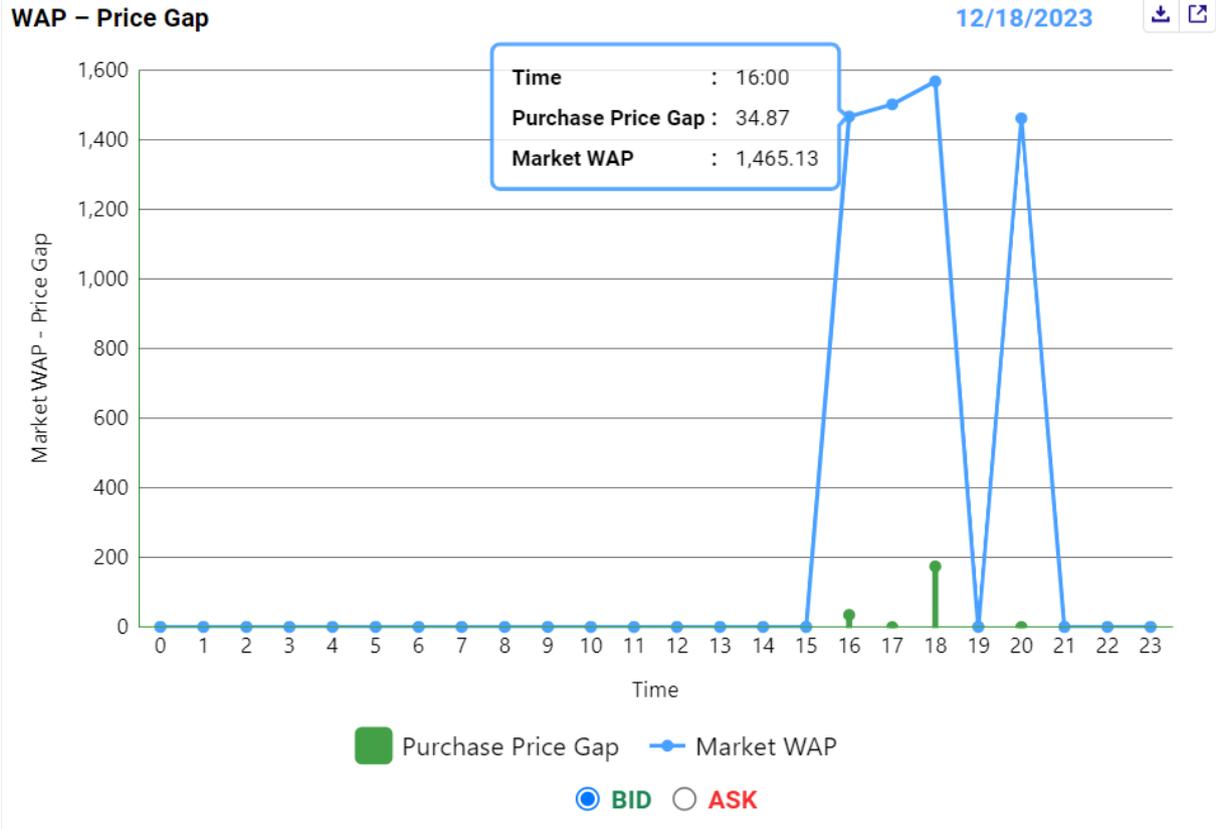


Figure 80: WAP-Price Gap

Purchase Price Gap: The difference between the organization's Purchase WAP and the Market WAP for that hour. Clicking on the "Purchase Price Gap" indicator on the graph allows displaying or removing the Purchase Price Gap.

Sales Price Gap: The difference between the organization's Sales WAP and the Market WAP for that hour. Clicking on the "Sales Price Gap" indicator on the graph allows displaying or removing the Sales Price Gap.

Market WAP: The weighted average price resulting from all matchings in the Intraday Market during a specific hour of the day. Clicking on the "Market WAP" indicator on the graph allows displaying or removing the Market WAP.

By clicking the icon **BID**, you can view the Purchase Price Gap and Market WAP. Similarly, by clicking the icon **ASK**, you can view the Sales Price Gap and Market WAP.

Displays the values of the hours for the current day.

5.3 OTR

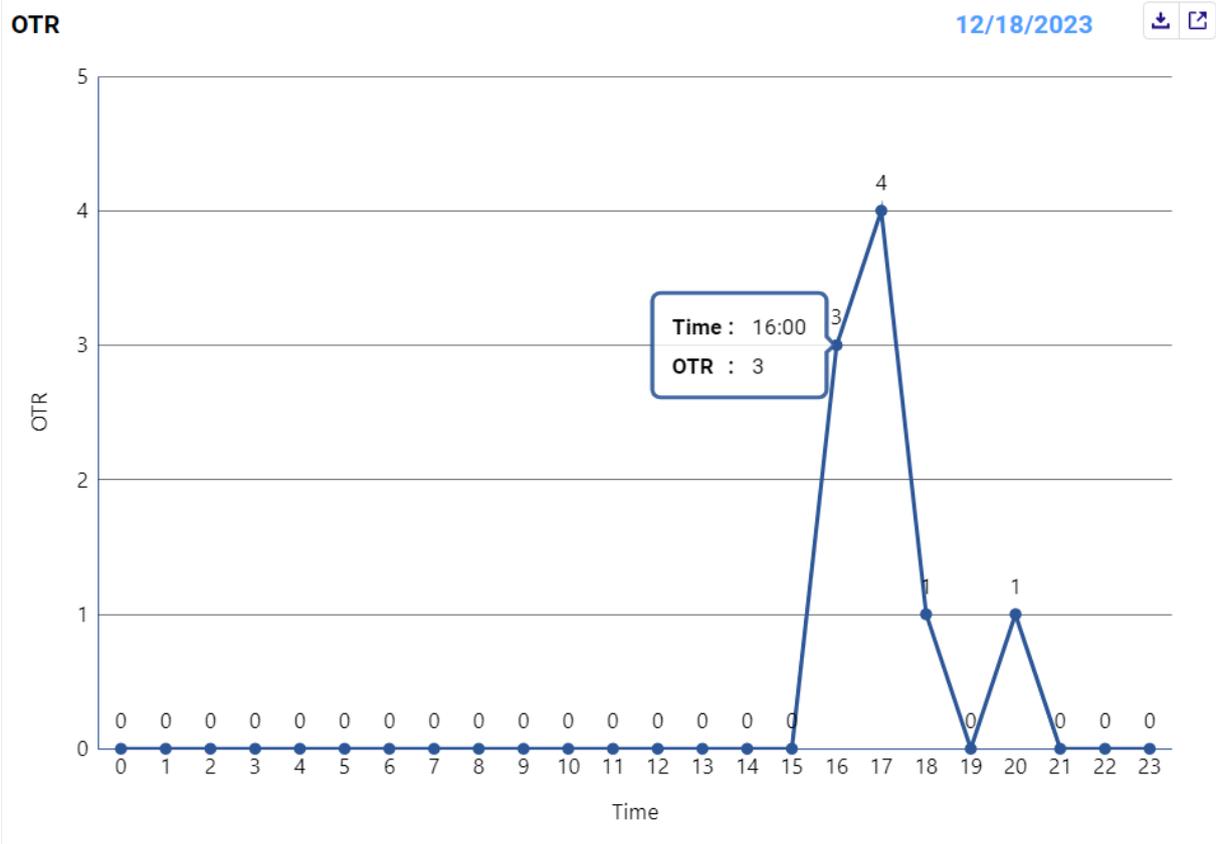


Figure 81: OTR Graphic

OTR values calculated as a result of the transactions made by the organization in hourly contracts are displayed.

Displays the values of the hours for the current day.

5.4 Contract Indicators



Figure 82: Contract Indicators

By clicking the **Market** icon, the opening price, closing price, lowest order price, and highest order price in hourly contracts in the Intraday Market are displayed.

By clicking the **Participant** icon, the opening price, closing price, lowest order price, and highest order price for hourly contracts in the Intraday Market for the organization are displayed.

Displays the values of the hours for the current day.

5.5 Matching Quantity

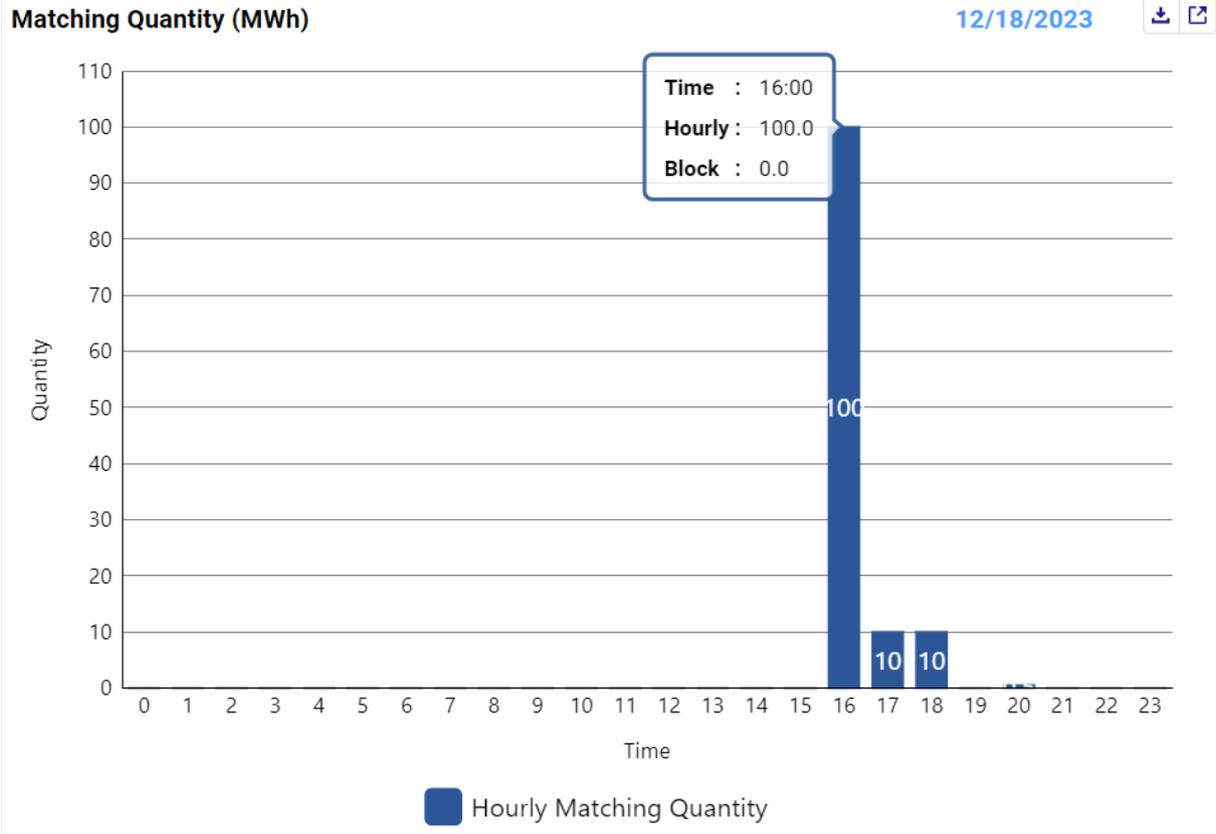


Figure 83: Matching Quantity

In the graph's "Matching Quantity" cell; the hourly matching quantities can be viewed. The X-axis represents the hour, while the Y-axis represents the matching quantities. Clicking on the "Hourly Matching Quantity" indicator below the graph allows displaying or removing the relevant quantity.

5.6 Remaining Limits

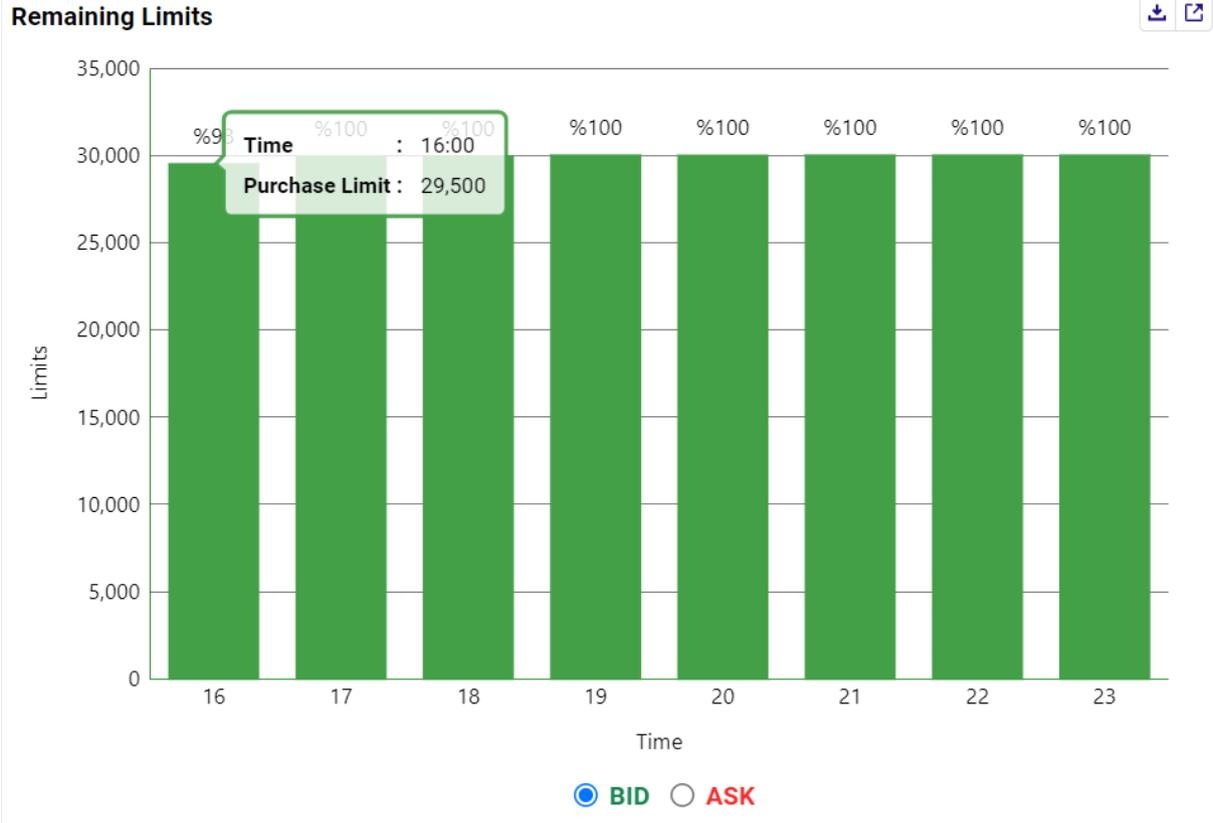


Figure 84: Remaining Limits

Participants can track their remaining limits for each contract from the respective graph. The graph has two tabbed views for Purchase and Sales side.

By clicking the **BID** icon, the remaining limits on the purchase side are displayed. Similarly, by clicking the **ASK** icon, the remaining limits on the sales side are displayed.

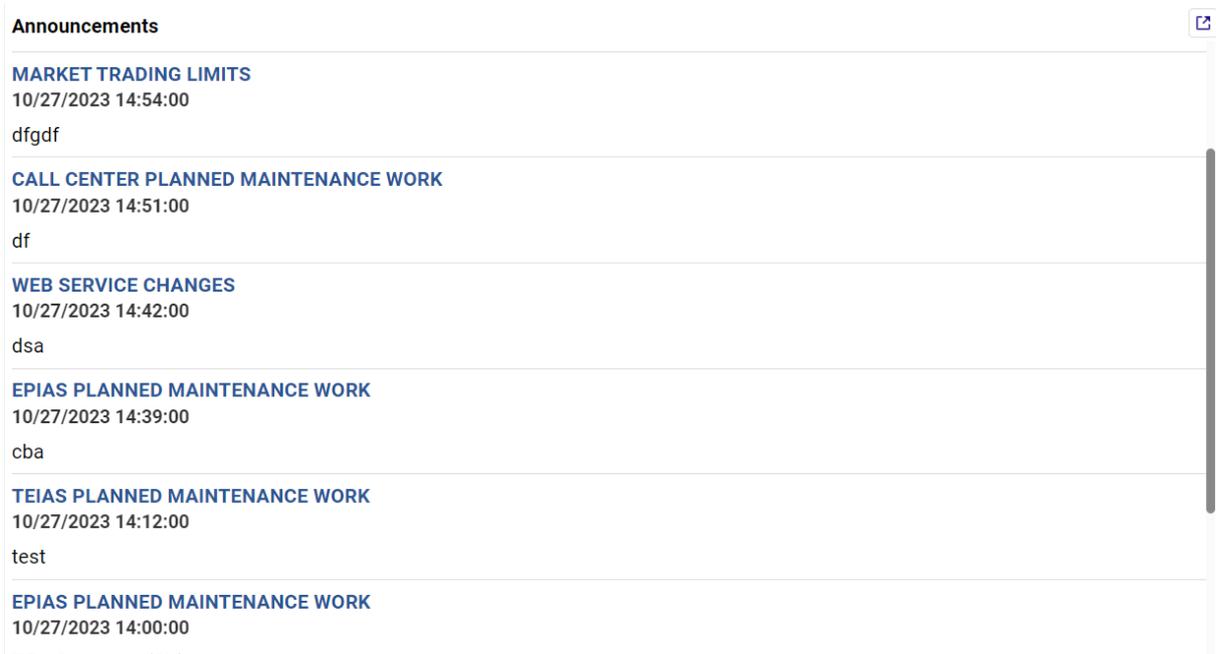
5.7 Summary Table

Date	Purchase Quantity (MWh)	Sales Quantity (MWh)	Purchase Amount (TL)	Sales Amount (TL)
12/17/2023	0	0	0.00	0.00
12/18/2023	59	61	90,190.00	91,200.00
12/19/2023	0	0	0.00	0.00

Figure 85: Summary Table

Participants can view the matching quantities and total amounts for purchase and sales sides for their organization in the summary table, covering yesterday, today, and tomorrow.

5.8 Announcements

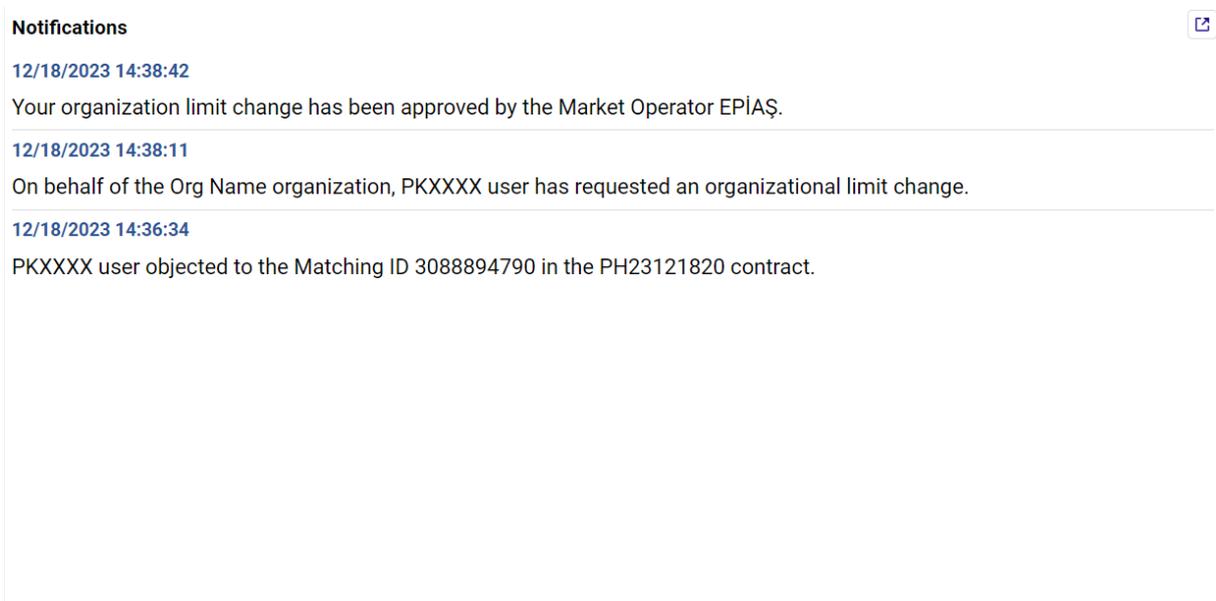


Announcements
MARKET TRADING LIMITS 10/27/2023 14:54:00 dfgdf
CALL CENTER PLANNED MAINTENANCE WORK 10/27/2023 14:51:00 df
WEB SERVICE CHANGES 10/27/2023 14:42:00 dsa
EPIAS PLANNED MAINTENANCE WORK 10/27/2023 14:39:00 cba
TEIAS PLANNED MAINTENANCE WORK 10/27/2023 14:12:00 test
EPIAS PLANNED MAINTENANCE WORK 10/27/2023 14:00:00 TEIAS PLANNED MAINTENANCE WORK

Figure 86: Announcements

Announcements can be followed by all users in the "Announcements" section on the Dashboard. Announcements will be listed in descending order by date, with a maximum of 10 announcements displayed. Even if the user marks the "read" option in the main page announcement box, announcements can still be viewed on this screen.

5.9 Notifications



Notifications
12/18/2023 14:38:42 Your organization limit change has been approved by the Market Operator EPIAŞ.
12/18/2023 14:38:11 On behalf of the Org Name organization, PKXXXX user has requested an organizational limit change.
12/18/2023 14:36:34 PKXXXX user objected to the Matching ID 3088894790 in the PH23121820 contract.

Figure 87: Notifications

System notifications can be tracked by all users in the "Notifications" section on the Dashboard. Notifications will be listed in descending order by date, with a maximum of 10 notifications displayed. Even if the user marks the "read" option in the main page notification box, notifications can still be viewed on this screen.

For each selected topic on the Dashboard screens, the icons at the top right serve the following purposes:

 icon maximizes the selected topic area.

 icon allows opening in a new tab.

 icon enables exporting the relevant dataset in Excel format. This feature is not available for the Announcements and Notifications sections.

6. ORDER AND MATCHING

6.1 Orders

ORDERS MATCHINGS

Filter

Date Range: 12/13/2023 to 12/15/2023 | Region: TR1 | Contract Status: Select | Contract: Select | Filter

Orders List
24 items found

Transaction Time	Order ID	Version	Region	Contract Name	Side	Order Price	Order Quantity	Total Order Quantity	Matching Price	Matching Quantity	Remaining Quantity	Order Status	Description	User	Order Option
12/14/2023 09:42:14.816	3088896400	1	TR1	PH23121414	Ask	1,500.00	60	60			60	Active	PKXXXX	SYSTEM	Normal
12/13/2023 20:00:00.070	3088896263	2	TR1	PH23121321	Ask	1,700.00	55	55			55	Cancel	SYSTEM	SYSTEM	Normal
12/13/2023 20:00:00.067	3088896262	2	TR1	PH23121321	Bid	1,500.00	30	500			30	Cancel	SYSTEM	SYSTEM	Iceberg
12/13/2023 15:31:01.271	3088896312	5	TR1	PH23121317	Bid	1,400.00	50	50	1,093.52	50	0	Matched	PKXXXX	SYSTEM	Normal
12/13/2023 15:31:01.263	3088896317	2	TR1	PH23121317	Ask	1,400.00	38	38	1,400.00	38	0	Matched	PKXXXX	SYSTEM	Normal
12/13/2023 15:00:00.076	3088896369	2	TR1	PH23121316	Bid	123.00	12	12			12	Cancel	SYSTEM	SYSTEM	Normal
12/13/2023 14:00:00.093	3088896314	2	TR1	PH23121315	Ask	1,650.00	30	500			30	Cancel	SYSTEM	SYSTEM	Iceberg
12/13/2023 14:00:00.087	3088896372	2	TR1	PH23121315	Bid	1,500.00	14	14			14	Cancel	SYSTEM	SYSTEM	Normal
12/13/2023 14:00:00.084	3088896371	2	TR1	PH23121315	Bid	1,450.00	75	75			75	Cancel	SYSTEM	SYSTEM	Normal
12/13/2023 14:00:00.083	3088896313	2	TR1	PH23121315	Ask	1,710.00	45	45			45	Cancel	SYSTEM	SYSTEM	Normal
12/13/2023 14:00:00.080	3088896370	2	TR1	PH23121315	Ask	1,620.00	60	60			60	Cancel	SYSTEM	SYSTEM	Normal
12/13/2023 14:00:00.078	3088896311	2	TR1	PH23121315	Ask	1,800.00	30	30			30	Cancel	SYSTEM	SYSTEM	Normal
12/13/2023 14:00:00.077	3088896366	3	TR1	PH23121315	Bid	1,500.00	30	500	1,500.00	1	29	Cancel	PKXXXX	SYSTEM	Iceberg
12/13/2023 13:00:00.061	3088896373	2	TR1	PH23121314	Ask	1,750.00	60	60			60	Cancel	SYSTEM	SYSTEM	Price Leveled
12/13/2023 13:00:00.060	3088896315	4	TR1	PH23121314	Ask	1,400.00	50	50			50	Cancel	PKXXXX	SYSTEM	Time Leveled
12/13/2023 12:00:00.069	3088896261	3	TR1	PH23121313	Bid	1,480.00	65	65	1,480.00	12	53	Cancel	PKXXXX	SYSTEM	Normal
12/13/2023 11:00:00.072	3088896368	2	TR1	PH23121312	Ask	12.00	12	12			12	Cancel	SYSTEM	SYSTEM	Normal
12/13/2023 11:00:00.071	3088896364	2	TR1	PH23121312	Ask	1,740.00	50	50			50	Cancel	SYSTEM	SYSTEM	Normal
12/13/2023 10:00:00.063	3088896260	2	TR1	PH23121311	Bid	1,410.00	30	30			30	Cancel	SYSTEM	SYSTEM	Normal
12/13/2023 10:00:00.061	3088896365	2	TR1	PH23121311	Bid	1,340.00	85	85			85	Cancel	SYSTEM	SYSTEM	Normal

Previous 1 | 2 | Next 20

Figure 88: Orders

Users can filter their orders based on date range, region, contract status, and contract name in the "My Orders" section, which is the place for reporting historical data on the main page.

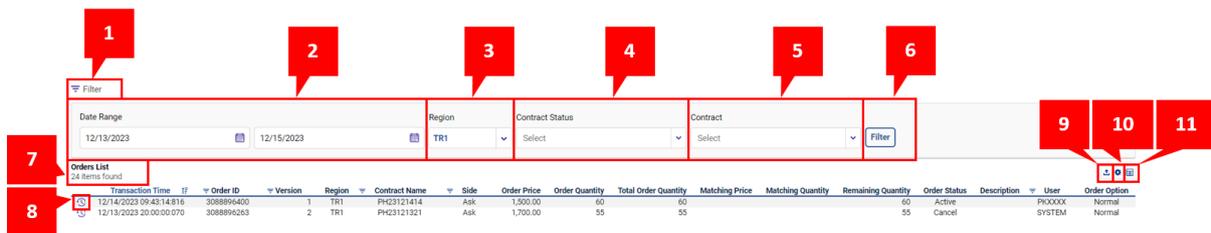
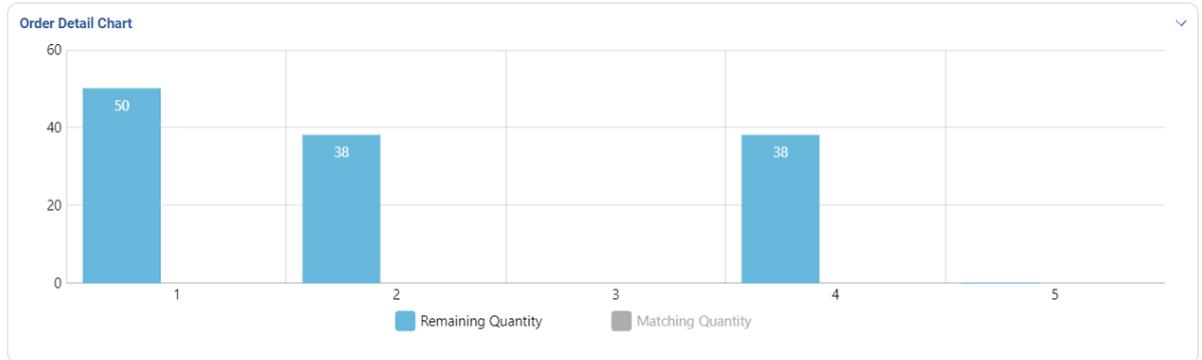


Figure 89: Orders Icons

1. The "Filter" icon  allows users to hide or display filtering options on the screen.
2. In the "Date Range" filter, users can select the desired time range for filtering.
3. The "Region" filter enables users to choose the order region.
4. The "Contract Status" filter filters contracts based on whether they are active, passive, or expired. This filter provides both a search based on status and the ability to select from a list.
5. The "Contract" filter lists all contracts generated within the selected date range.
6. The  icon enables comprehensive filtering operations.
7. The number of items listed based on applied filters is displayed.
8. The  icon allows users to view the history of each order separately². When clicked, a pop-up appears, showing the order's history along with the order detail chart. If the order on the main page's "My Orders" section has options such as "Iceberg", "Price Leveled", and "Time Leveled" relevant additional detail fields appear within the pop-up.

² The detailed history is only open for orders dated December 31, 2023 and later. Detailed history of orders from previous dates cannot be viewed. The participant will only be able to view the status of the order in the latest version on previous dates.



Order Time	Contract	Side	Order Price	Order Quantity	Order Status	Detail	Matching Price	Matching Quantity	Order ID	Matching ID	Version	User
12/13/2023 15:31:01:280	FH23121317	Bid	1,400.00	0	Matched	AM	1,400.00	38	3088896312	3088894544	5	SYSTEM
12/13/2023 11:33:18:575	FH23121317	Bid	1,400.00	38	Active	UP			3088896312		4	PKXXXX
12/13/2023 11:33:16:151	FH23121317	Bid	1,400.00	38	Passive	PA			3088896312		3	PKXXXX
12/13/2023 09:13:39:928	FH23121317	Bid	1,400.00	38	Active	PM	123.00	12	3088896312	3088894542	2	PKXXXX
12/13/2023 09:13:39:829	FH23121317	Bid	1,400.00	50	Active	NE			3088896312		1	PKXXXX

Figure 90: Orders-Order Details

- Clicking the icon downloads the "Orders" page as an Excel file.
- With the icon, the positions of the titles in "Orders" can be rearranged and fixed.
- The icon determines which columns are displayed or hidden in "Orders."

Transaction Time	IF	Order ID	Version	Region	Contract Name	Side	Order Price	Order Quantity	Total Order Quantity	Matching Price	Matching Quantity	Remaining Quantity	Order Status	Description	User	Order Option
12/14/2023 09:43:14:816		3088896400	1	TR1	PH23121414	Ask	1,500.00	60	60			60	Active		PKXXXX	Normal
12/13/2023 20:00:00:070		3088896263	2	TR1	PH23121321	Ask	1,700.00	55	55			55	Cancel		SYSTEM	Normal
12/13/2023 20:00:00:067		3088896262	2	TR1	PH23121321	Bid	1,500.00	30	500			30	Cancel		SYSTEM	Iceberg
12/13/2023 15:31:01:271		3088896312	5	TR1	PH23121317	Bid	1,400.00	50	50	1,093.52	50	0	Matched		PKXXXX	Normal
12/13/2023 15:31:01:263		3088896317	2	TR1	PH23121317	Ask	1,400.00	38	38	1,400.00	38	0	Matched		PKXXXX	Normal
12/13/2023 15:00:00:076		3088896369	2	TR1	PH23121316	Bid	123.00	12	12			12	Cancel		SYSTEM	Normal
12/13/2023 14:00:00:093		3088896314	2	TR1	PH23121315	Ask	1,650.00	30	500			30	Cancel		SYSTEM	Iceberg
12/13/2023 14:00:00:087		3088896372	2	TR1	PH23121315	Bid	1,500.00	14	14			14	Cancel		SYSTEM	Normal
12/13/2023 14:00:00:084		3088896371	2	TR1	PH23121315	Bid	1,450.00	75	75			75	Cancel		SYSTEM	Normal
12/13/2023 14:00:00:083		3088896313	2	TR1	PH23121315	Ask	1,710.00	45	45			45	Cancel		SYSTEM	Normal
12/13/2023 14:00:00:080		3088896370	2	TR1	PH23121315	Ask	1,620.00	60	60			60	Cancel		SYSTEM	Normal
12/13/2023 14:00:00:078		3088896311	2	TR1	PH23121315	Ask	1,800.00	30	30			30	Cancel		SYSTEM	Normal
12/13/2023 14:00:00:077		3088896366	3	TR1	PH23121315	Bid	1,500.00	30	500	1,500.00	1	29	Cancel		PKXXXX	Iceberg
12/13/2023 13:00:00:061		3088896373	2	TR1	PH23121314	Ask	1,750.00	60	60			60	Cancel		SYSTEM	Price Levelled
12/13/2023 13:00:00:060		3088896315	4	TR1	PH23121314	Ask	1,400.00	50	50			50	Cancel		PKXXXX	Time Levelled
12/13/2023 12:00:00:069		3088896261	3	TR1	PH23121313	Bid	1,480.00	65	65	1,480.00	12	53	Cancel		PKXXXX	Normal
12/13/2023 11:00:00:072		3088896368	2	TR1	PH23121312	Ask	12.00	12	12			12	Cancel		SYSTEM	Normal
12/13/2023 11:00:00:071		3088896364	2	TR1	PH23121312	Ask	1,740.00	50	50			50	Cancel		SYSTEM	Normal
12/13/2023 10:00:00:063		3088896260	2	TR1	PH23121311	Bid	1,410.00	30	30			30	Cancel		SYSTEM	Normal
12/13/2023 10:00:00:061		3088896365	2	TR1	PH23121311	Bid	1,340.00	85	85			85	Cancel		SYSTEM	Normal

Figure 91: Orders Columns

Transaction Time: Displays the time of registration for the respective order. Clicking on the column header allows sorting from oldest to newest or vice versa.

Order ID: Displays the ID of the relevant order. The icon opens the filtering pop-up below.

Order ID Clear

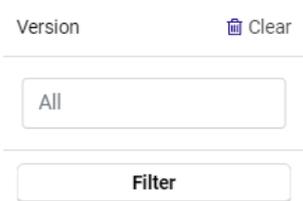
All

Filter

Figure 92: Orders-Order ID Filter

The user can search for orders based on the desired order ID from this pop-up. After entering the desired order ID, filtering is saved by clicking the  icon. The selected order ID can be deleted by clicking the  icon.

Version: Displays the version of the relevant order. The  icon opens the filtering pop-up below.



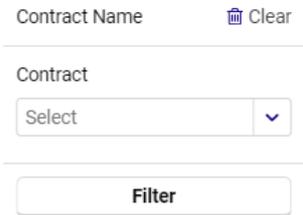
The screenshot shows a filtering pop-up for the 'Version' field. At the top, the text 'Version' is on the left and a 'Clear' button with a trash icon is on the right. Below this is a text input field containing the word 'All'. At the bottom of the pop-up is a 'Filter' button.

Figure 93: Orders-Version Filter

The user can search for the desired version from this pop-up. After entering the version, filtering is saved by clicking the  icon. The selected version can be deleted by clicking the  icon.

Region: The field that shows the order region.

Contract Name: Shows the name of the contract where the order was saved. The pop-up below will show up with  icon.



The screenshot shows a filtering pop-up for the 'Contract Name' field. At the top, the text 'Contract Name' is on the left and a 'Clear' button with a trash icon is on the right. Below this is a dropdown menu labeled 'Contract' with 'Select' and a downward arrow. At the bottom of the pop-up is a 'Filter' button.

Figure 94: Orders-Contract Name Filter

The user can search for the desired contract name from this pop-up. After entering the contract name, filtering is saved by clicking the  icon. The selected contract name can be deleted by clicking the  icon.

Side: Indicates whether the order is for Bid or Ask. Clicking on the  icon opens a pop-up for selecting.



The screenshot shows a filtering pop-up for the 'Side' field. At the top, the text 'Side' is on the left and a 'Clear' button with a trash icon is on the right. Below this is a dropdown menu with 'All' and a downward arrow. At the bottom of the pop-up is a 'Filter' button.

Figure 95: Orders-Side Filter

The user can search for the desired side from this pop-up. After entering the side, filtering is saved by clicking the icon. The selected side can be deleted by clicking the  Clear icon.

Order Price: Represents the price of the order in TL/MWh with two decimal places of sensitivity.

Order Quantity: Represents the quantity of the order in "Lot," where 1 Lot is equivalent to 0.1 MW.

Total Order Quantity: Shows the total quantity of the order in "Lot." For iceberg option orders, Total Qty. differs from Order Qty., representing the sum of Order Qty. and the remaining iceberg quantity.

Matching Price: If the relevant order is matched, it shows the matching price. In the case of partially matched, it displays the weighted average price of the relevant matchings. The price is in TL/MWh with two decimal places of sensitivity

Matching Quantity: If the relevant order is matched, it shows the matching quantity. The quantity is in "Lot" where 1 Lot is equal to 0.1 MW.

Remaining Quantity: Displays the unmatched quantity in the relevant order. The quantity is in "Lot" where 1 Lot is equal to 0.1 MW.

Order Status Displays the status of the relevant order. It can be "Active", "Passive", "Matched", and "Cancel".

Description: The field that displays the description entered when saving the respective order.

User: Shows the user who saved the relevant order. Clicking on the  icon opens a pop-up for selecting.



User  Clear

All 

Filter

Figure 96: Orders-User Filter

The user can search for orders based on the desired user name from this pop-up. After entering the desired user name, filtering is saved by clicking the icon. The selected user name can be deleted by clicking the  Clear icon.

Option: Displays the option of the relevant order.

The  Önceki  Sonraki  icon determines the number of orders to be displayed on a single page in the Orders section, without switching to another page.

6.2 Matchings

Order and Matching / Matchings

ORDERS **MATCHINGS**

Filter

Date Range: 07/23/2024 - 07/23/2024 | Region: TR1 | Contract Status: Select | Contract: Select | Filter

Matching List
16 items found

Matching Time	Order ID	Matching ID	Contract Name	Side	Matching Status	Matching Status Detail	Matching Price	Matching Quantity	User	Region
07/23/2024 14:15:36:060	3088988069	3088925723	PH24072321	Ask	Valid	Matching Price	100.00	12	PKXXX	TR1
07/23/2024 14:15:36:060	3088988036	3088925723	PH24072321	Bid	Valid	Matching Price	100.00	12	PKXXX	TR1
07/23/2024 14:15:23:352	3088988068	3088925768	PH24072319	Ask	Valid	Matching Price	1,200.00	10	PKXXX	TR1
07/23/2024 14:15:23:352	3088987996	3088925768	PH24072319	Bid	Valid	Matching Price	1,200.00	10	PKXXX	TR1
07/23/2024 11:40:17:431	3088988067	3088925679	PH24072321	Bid	Valid	MCP	115.85	120	PKXXX	TR1
07/23/2024 11:40:17:431	3088988035	3088925679	PH24072321	Ask	Valid	MCP	115.85	120	PKXXX	TR1
07/23/2024 11:37:39:825	3088987995	3088925767	PH24072317	Bid	Valid	Matching Price	1,000.00	20	PKXXX	TR1
07/23/2024 11:37:39:825	3088988066	3088925767	PH24072317	Ask	Valid	Matching Price	1,000.00	20	PKXXX	TR1
07/23/2024 11:31:40:060	3088988065	3088925678	PH24072323	Bid	Valid	Matching Price	122.00	100	PKXXX	TR1
07/23/2024 11:31:40:060	3088988034	3088925678	PH24072323	Ask	Valid	Matching Price	122.00	100	PKXXX	TR1
07/23/2024 11:30:25:069	3088988064	3088925677	PH24072320	Bid	Invalid (Matching Canceled)	Matching Canceled	1,500.00	12	PKXXX	TR1
07/23/2024 11:30:25:069	3088988033	3088925677	PH24072320	Ask	Invalid (Matching Canceled)	Matching Canceled	1,500.00	12	PKXXX	TR1
07/23/2024 11:29:28:608	3088988063	3088925676	PH24072316	Bid	Valid	MCP	116.28	2	PKXXX	TR1
07/23/2024 11:29:28:608	3088988032	3088925676	PH24072316	Ask	Valid	MCP	116.28	2	PKXXX	TR1
07/23/2024 11:28:58:408	3088987994	3088925766	PH24072314	Bid	Invalid (Matching Canceled)	Matching Canceled	122.00	120	PKXXX	TR1
07/23/2024 11:28:58:408	3088988031	3088925766	PH24072314	Ask	Invalid (Matching Canceled)	Matching Canceled	122.00	120	PKXXX	TR1

Previous 1 Next 20

Figure 97: Matchings

Users can filter their orders based on date range, region, contract status, and contract name in the "My Matchings" section, which is the place for reporting historical data on the main page.

MY MATCHINGS

Time	Order ID	Matching ID	Contract	Side	Status	Matching Status Detail	Price	Quantity	User	Regio	Objection
07/23/2024 14:15:36:054	3088988036	3088925723	PH24072321	Bid	Valid	Matching Price	100.00	12	PK361	TR1	Objection
07/23/2024 14:15:36:054	3088988069	3088925723	PH24072321	Ask	Valid	Matching Price	100.00	12	PK361	TR1	Objection
07/23/2024 14:15:23:338	3088987996	3088925768	PH24072319	Bid	Valid	Matching Price	1,200.00	10	PK361	TR1	Objection

Figure 98: Orders Icons

- The "Filter" icon allows users to hide or display filtering options on the screen.
- In the "Date Range" filter, users can select the desired time range for filtering.
- The "Region" filter enables users to choose the order region.
- The "Contract Status" filter filters contracts based on whether they are active, passive, or expired. This filter provides both a search based on status and the ability to select from a list.
- The "Contract" filter lists all contracts generated within the selected date range.
- The icon enables comprehensive filtering operations.
- The number of items listed based on applied filters is displayed
- Clicking the icon downloads the "Matchings" page as an Excel file.
- With the icon, the positions of the titles in " Matchings " can be rearranged and fixed.
- The icon determines which columns are displayed or hidden in " Matchings".

Matching Time	Order ID	Matching ID	Contract Name	Side	Matching Status	Matching Status Detail	Matching Price	Matching Quantity	User	Region
07/17/2024 12:29:43:682	3088986254	3088925297	PH24071715	Ask	Valid	Matching Price	1,150.00	25	PKXXXX	TR1
07/17/2024 12:29:43:682	3088986143	3088925297	PH24071715	Bid	Valid	Matching Price	1,150.00	25	PKXXXX	TR1
07/17/2024 12:29:43:680	3088986141	3088925296	PH24071715	Bid	Valid	Matching Price	1,150.00	50	PKXXXX	TR1
07/17/2024 12:29:43:680	3088986254	3088925296	PH24071715	Ask	Valid	Matching Price	1,150.00	50	PKXXXX	TR1
07/17/2024 12:18:13:576	3088986176	3088925295	PH24071723	Bid	Invalid (Matching Canceled)	Matching Canceled	1,520.00	21	SYSTEM	TR1

Figure 99: Matchings Columns

Matching Time: Displays the time of the respective matching. Clicking on the column header allows sorting from oldest to newest or vice versa.

Order ID: Displays the ID of the relevant order. The icon opens the filtering pop-up below.

Order ID 🗑️ Clear

All

Filter

Figure 100: Orders-Order ID Filter

The user can search for orders based on the desired order ID from this pop-up. After entering the desired order ID, filtering is saved by clicking the Filter icon. The selected order ID can be deleted by clicking the 🗑️ Clear icon.

Matching ID: Displays the ID of the relevant matching. The ☰ icon opens the filtering pop-up below.

Matching ID 🗑️ Clear

All

Filter

Figure 101: Matchings-Matching ID Filter

The user can search for orders based on the desired matching ID from this pop-up. After entering the desired matching ID, filtering is saved by clicking the Filter icon. The selected matching ID can be deleted by clicking the 🗑️ Clear icon.

Contract Name: Shows the name of the contract where the matching occurred. The pop-up below will show up with ☰ icon.

Contract Name 🗑️ Clear

Contract

Select ▼

Filter

Figure 102: Matchings-Contract Name Filter

The user can search for the desired contract name from this pop-up. After entering the contract name, filtering is saved by clicking the Filter icon. The selected contract name can be deleted by clicking the 🗑️ Clear icon.

Side: Indicates whether the matching is for Bid or Ask. Clicking on the ☰ icon opens a pop-up for selecting.



Figure 103: Matchings-Side Filter

The user can search for the desired side from this pop-up. After entering the side, filtering is saved by clicking the  icon. The selected side can be deleted by clicking the  icon.

Matching Status: Indicates the status of the relevant matching. There are two matching statuses: "Valid" and "Invalid." The matching status can be invalidated by the Market Operator due to an objection to the matching.  icon opens the filter pop-up below.

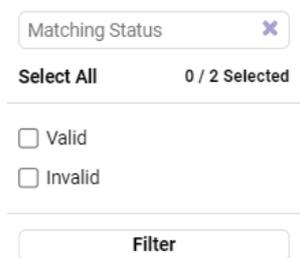


Figure 104: Matchings-Matching Status Filter

The user can choose between "Valid" and "Invalid" options in this pop-up. All options in the status filter can be selected with the  icon. The selected ones can be saved with  icon, and the selected options can be deleted with  icon.

Matching Status Detail: Shows the detail status of the relevant matching. There are three matching status details: "Matching Price", "Match Cancellation" and "MCP".

Matching Price: Displays the matching price. The price is in TL/MWh with two decimal places.

Matching Quantity: Displays the matching quantity. The quantity is in "Lot" where 1 Lot is equal to 0.1 MW.

User: Shows the user who saved the relevant order. Clicking on the  icon opens a pop-up for selecting.



Figure 105: Matchings-User Filter

The user can search for orders based on the desired user name from this pop-up. After entering the desired user name, filtering is saved by clicking the icon. The selected user name can be deleted by clicking the  Clear icon.

Region: The field that shows the order region.

The Önceki Sonraki icon determines the number of matchings to be displayed on a single page in the Matchings section, without switching to another page.

7. OBJECTIONS

The screenshot shows the 'Objections' section of a software interface. At the top, there is a 'Filter' button. Below it, a 'Date Range' filter is set to '07/22/2024'. The 'Objection Status' is set to 'All' and the 'Contract' is also set to 'All'. A 'Filter' button is located to the right of these filters. Below the filters, a 'List of Objections' table is displayed with 18 items found. The table has columns for Matching Time, IT, Order ID, Matching ID, Contract Name, Matching Status, Side, Matching Quantity, Matching Price, Objection Time, Objecting User, Objection Text, Objection Reply, Response Time, and Objection Status. The table contains several rows of data, some with 'Accept' or 'Rejection' icons in the Objection Status column.

Figure 106: Objections

In the Objections area, the user can view the status of the objections they have made to their matchings.

This screenshot is similar to Figure 106 but includes numbered callouts (1-9) pointing to specific UI elements: 1. Filter icon; 2. Date Range filter; 3. Objection Status filter; 4. Contract filter; 5. Filter button; 6. List of Objections header; 7. Download icon; 8. Sort icon; 9. Column visibility icon.

Figure 107: Objections Icons

1. The "Filter" icon allows users to hide or display filtering options on the screen.
2. In the "Date Range" filter, users can select the desired time range for filtering.
3. In the Objection Status filter, the user can make selections according to the status of the objection. The status of the objection can be "Rejection", "Accept", "Active" or "Wrong Demand"
4. This is the part where contracts are filtered. In this filter, yesterday's and today's contracts are shown. When new contracts are created for the next delivery day at 18.00, tomorrow's contracts are also displayed.
5. The icon enables comprehensive filtering operations.
6. The number of items listed based on applied filters is displayed.
7. Clicking the icon downloads the "Objections" page as an Excel file.
8. With the icon, the positions of the titles in "Objections" can be rearranged and fixed.
9. The icon determines which columns are displayed or hidden in "Objections".

The screenshot shows the 'Objections' table with the following column headers: Matching Time, IT, Order ID, Matching ID, Contract Name, Matching Status, Side, Matching Quantity, Matching Price, Objection Time, Objecting User, Objection Text, Objection Reply, Response Time, and Objection Status. The table contains several rows of data, some with 'Accept' or 'Rejection' icons in the Objection Status column.

Figure 108: Objections Columns

Matching Time: Displays the time of the respective matching. Clicking on the column header allows sorting from oldest to newest or vice versa.

Order ID: Displays the ID of the relevant order.

Matching ID: Displays the ID of the relevant matching.

Contract Name: Shows the name of the contract where the matching occurred.

Matching Status: Indicates the status of the relevant matching. There are two matching statuses: "Valid" and "Invalid." The matching status can be made invalid by the Market Operator due to an objection to the matching.

Side: Indicates whether the matching is for Bid or Ask. Clicking on the  icon opens a pop-up for selecting.

Matching Quantity: Displays the matching quantity. The quantity is in "Lot" where 1 Lot is equal to 0.1 MW.

Matching Price: Displays the matching price. The price is in TL/MWh with two decimal places.

Objection Time: Displays the time when the user objected to the relevant matching.

Objecting User: Displays the username of the user who objects

Objection Text: Reveals the description entered during the objection. The full text can be viewed when the cursor is over it.

Objection Reply: Displays the response given to the objection by EPIAŞ. The complete text can be seen when the cursor is over it.

Response Time: Displays the time when the objection is responded by EPIAŞ.

Objection Status: It shows the current status of the relevant objection. If it has not been answered yet, it is displayed as "Active", if it has been rejected, it is displayed as "Rejection", if it is evaluated as a false request, it is displayed as "Wrong Demand", if it has been accepted, it is displayed as "Acceptance".

The  icon determines the number of objections to be displayed on a single page in the Objections section, without switching to another page.

8. LIMIT OPERATIONS

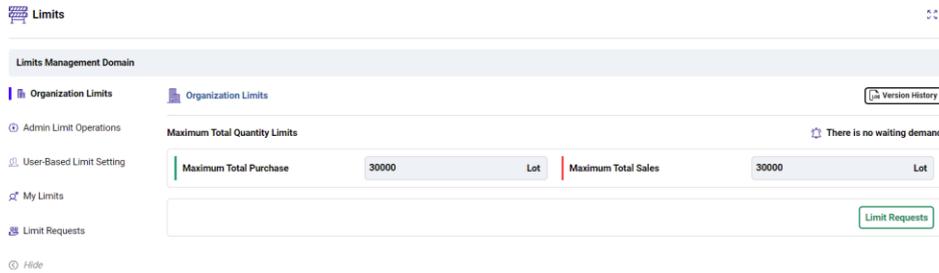


Figure 109: Limits

"Limit Operations" is the area where market participants determine and manage their limits, as long as they don't exceed the limits set by EPIAŞ. Clicking on the  *Hide* icon hides the sub-headings on the left side, such as "Organization Limits", "Admin Limit Operations", "User-Based Limit Setting", "My Limits" and "Limit Requests".



Figure 110: Limit Icons-Hidden

8.1 Organization Limits

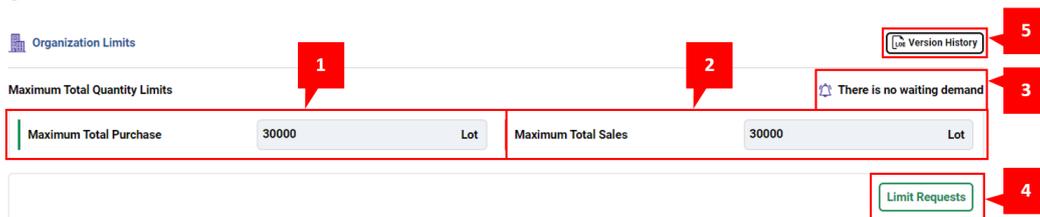


Figure 111: Organization Limits

Organization limits are calculated by summing the matchings and uncanceled orders of hourly orders. These limits are determined by EPIAŞ.

1. It is the limit calculated by summing up the hourly purchase matchings and uncanceled hourly purchase orders.
2. It is the limit calculated by summing up the hourly sales matchings and uncanceled hourly sales orders.
3. This section displays whether there is a pending limit request awaiting approval. If there is, a red dot appears above the bell icon.

- The  icon opens the "Limit Requests" tab.
- The  icon allows viewing the history of the organization's limit requests through the pop-up below.

Version History ⌵ ⌵

10 items found ⌵ ⌵

Transaction Date/Hours	Max Total Purc. Qty. Requested	Max. Total Sales Qty. Requested	Max. Total Purch. Qty. Approved	Max. Total Sales Qty. Approved	Requesting MP	Admin Description	Status	Confirmation Date	EPIAS Description
11/30/2023 10:23	22,000 Lot	22,000 Lot			PKXXXX	test	Cancelled	12/07/2023 15:13	
11/24/2023 08:50	32,000 Lot	32,000 Lot	30,000 Lot	30,000 Lot	PKXXXX	Test	Approved	11/24/2023 08:51	test
11/23/2023 15:40	30,000 Lot	30,000 Lot			PKXXXX	Test	Cancelled	11/23/2023 15:42	
11/15/2023 12:16	12,200 Lot	12,200 Lot	25,000 Lot	25,000 Lot	PKXXXX	test	Approved	11/23/2023 10:59	test
11/14/2023 14:38			11,000 Lot	11,000 Lot			Approved	11/14/2023 14:38	test
11/14/2023 14:32	10,250 Lot	10,250 Lot	10,250 Lot	10,250 Lot	PKXXXX	Test	Approved	11/14/2023 14:35	test
11/06/2023 15:48			10,500 Lot	10,500 Lot			Approved	11/06/2023 15:48	test
11/02/2023 14:57	9,000 Lot	9,000 Lot			PKXXXX	test	Cancelled	11/02/2023 15:02	Rejected
10/30/2023 16:23	11,000 Lot	11,000 Lot			PKXXXX	test	Cancelled	11/01/2023 10:45	
10/30/2023 14:29			10,000 Lot	10,000 Lot			Approved	10/30/2023 14:29	test

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Figure 112: Organization Limits-Version History

Version History ⌵ ⌵

10 items found ⌵ ⌵

Transaction Date/Hours	Max Total Purc. Qty. Requested	Max. Total Sales Qty. Requested	Max. Total Purch. Qty. Approved	Max. Total Sales Qty. Approved	Requesting MP	Admin Description	Status	Confirmation Date	EPIAS Description
11/30/2023 10:23	22,000 Lot	22,000 Lot			PKXXXX	test	Cancelled	12/07/2023 15:13	

Figure 113: Organization Limits-Version History Icons

- The  icon expands the opened pop-up.
- The  icon closes the opened pop-up.
- Clicking the  icon downloads the "Version History" page as an Excel file.
- With the  icon, the positions of the titles in "Version History" can be rearranged and fixed.
- The  icon determines which columns are displayed or hidden in "Version History".
- The number of items listed.

Transaction Date/Hours	Max Total Purc. Qty. Requested	Max. Total Sales Qty. Requested	Max. Total Purch. Qty. Approved	Max. Total Sales Qty. Approved	Requesting MP	Admin Description	Status	Confirmation Date	EPIAS Description
11/30/2023 10:23	22,000 Lot	22,000 Lot			PKXXXX	test	Cancelled	12/07/2023 15:13	
11/24/2023 08:50	32,000 Lot	32,000 Lot	30,000 Lot	30,000 Lot	PKXXXX	Test	Approved	11/24/2023 08:51	test
11/23/2023 15:40	30,000 Lot	30,000 Lot			PKXXXX	Test	Cancelled	11/23/2023 15:42	
11/15/2023 12:16	12,200 Lot	12,200 Lot	25,000 Lot	25,000 Lot	PKXXXX	test	Approved	11/23/2023 10:59	test
11/14/2023 14:38			11,000 Lot	11,000 Lot			Approved	11/14/2023 14:38	test
11/14/2023 14:32	10,250 Lot	10,250 Lot	10,250 Lot	10,250 Lot	PKXXXX	Test	Approved	11/14/2023 14:35	test
11/06/2023 15:48			10,500 Lot	10,500 Lot			Approved	11/06/2023 15:48	test
11/02/2023 14:57	9,000 Lot	9,000 Lot			PKXXXX	test	Cancelled	11/02/2023 15:02	Rejected
10/30/2023 16:23	11,000 Lot	11,000 Lot			PKXXXX	test	Cancelled	11/01/2023 10:45	
10/30/2023 14:29			10,000 Lot	10,000 Lot			Approved	10/30/2023 14:29	test

Previous 1 Next 10

Figure 114: Organization Limits-Version History Columns

Transaction Date/Hours: Displays the date and time the request was made. If a limit is changed without a request, it shows the date and time of the limit change.

Max Total Purc. Qty. Requested: Displays the requested maximum total purchase quantity. If there is no limit request, this column appears empty.

Max. Total Sales Qty. Requested: Displays the requested maximum total sales quantity. If there is no limit request, this column appears empty.

Max. Total Purch. Qty. Approved: Displays the approved maximum total purchase quantity. This column appears empty if the limit request is not approved.

Max. Total Sales Qty. Approved: Displays the approved maximum total sales quantity. This column appears empty if the limit request is not approved.

Requesting MP: Displays the username of the user who created the request. If there is no requested limit value, this column appears empty.

Admin Description: Displays the description provided by the user who created the request. The user cannot make a limit request without saving a description.

Status: Displays how the limit request concluded.

Confirmation Date: Displays the date and time the request was approved. If a limit is updated without a request, it shows the date and time of the update.

EPIAŞ Description: Displays the comment registered by EPIAŞ when approving the limit request. If a limit is updated without a request, it shows the description registered at the time of the transaction.

The icon determines the number of items to be displayed on a single page in the Version History, without switching to another page.

EXAMPLE: Maximum Total Purchase and Maximum Total Sales limits for participant “A” at 2 p.m. are given in the table.

Total Organization Limits	Participant A
Maximum Total Purchase (Lot) ↑	300
Maximum Total Sales (Lot) ↓	300

Transactions	Contract	Side	Order Quantity	Order Status	Maximum Total Purchase	Maximum Total Sales
1. Transaction	PH22101714	Purchase	30	Active	300-30=270	300
2. Transaction	PH22101714	Purchase	30	Canceled	270+30=300	300
3. Transaction	PH22101714	Purchase	40	AM at Registration	300-40=260	300
4. Transaction	PH22101714	Purchase	50	Active	260-50=210	300
5. Transaction	PB22101713-17	Purchase	5	Active	210-5=205	300
6. Transaction	PB22101714-19	Purchase	10	Passive	205-10=195	300
7. Transaction	PH22101714	Sales	60	Active	195	300-60=240
8. Transaction	PH22101714	Sales	25	Passive	195	240-25=215
9. Transaction	PH22101714	Sales	15	Partially Matched	195	215

10. Transaction	PH22101714	Sales	45	Remaining Qty. After PM is Canceled	195	215+45=260
11. Transaction	PB22101713-16	Sales	45	Timed	195	260-45=215
12. Transaction	PB22101713-16	Sales	45	Matched	195	215
13. Transaction	PH22101714	Sales	100	Prive Levelled – Total Qty. is 100 Lot	195	215-100=115
14. Transaction	PH22101714	Purchase	10	Time Levelled	195-10=185	115
15. Transaction	PH22101714	Sales	10	Passive Order PM After Activated	185	115
16. Transaction	PH22101714	Sales	50	Iceberg Order with Total Qty. 50 Lot Level Qty. 25 Lot	185	65

Figure 115: Organization Limits Examples

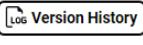
8.2 Admin Limit Operations

The screenshot displays the 'Admin Limit Operations' page. It features a grid of input fields for various limits, with red callout boxes numbered 1 through 13. Callout 1 points to the 'Maximum Total Purchase' field (value: 3000, unit: Lot). Callout 2 points to the 'Maximum Total Sales' field (value: 3000, unit: Lot). Callout 3 points to the 'Net Status Purchase' field (value: 100000, unit: Lot). Callout 4 points to the 'Net Status Sales' field (value: 10000, unit: Lot). Callout 5 points to the 'Maximum Purchase Order Quantity' field (value: 20000, unit: Lot). Callout 6 points to the 'Maximum Sales Order Quantity' field (value: 8000, unit: Lot). Callout 7 points to the 'Maximum Purchase Order Price' field (value: 10,000.00, unit: TL/MWh). Callout 8 points to the 'Minimum Sales Order Price' field (value: 0.00, unit: TL/MWh). Callout 9 points to the 'Order Check with Rate According to MCP' checkbox. Callout 10 points to the 'Order Check with Price According to MCP' checkbox. Callout 11 points to the 'Default' button. Callout 12 points to the 'Save' button. Callout 13 points to the 'Version History' button.

Figure 116: Admin Limit Operations

1. This area allows the admin market user to make adjustments for limits. Limits determined in this area can't overcome EPIAŞ's organization limits. Besides, admin market user performs order checks according to MCP. Maximum Total Purchase: Displays and allows the admin market user to modify the maximum total purchase quantity they have set for the organization.
2. Maximum Total Sales: Displays and allows the admin market user to modify the maximum total sales quantity they have set for the organization.
3. Net Status Purchase: An optional limit that the organization can use independently of the Maximum Total Purchase Limit for each contract created. If an organization chooses to use

Net Status Purchase Limit, they have the right to purchase up to the specified Net Status Purchase Limit for each contract, calculated by summing up matchings and unmatched purchase orders for the contract on the purchase side. The Net Position Purchase Limit for the relevant contract will increase with each sales matching.

4. Net Status Sales: An optional limit that the organization can use independently of the Maximum Total Sales Limit for each contract created. If an organization chooses to use Net Status Sales Limit, they have the right to sell up to the specified Net Status Sales Limit for each contract, calculated by summing up matchings and unmatched sales orders for the contract on the sales side. The Net Status Sales Limit for the relevant contract will increase with each purchase matching.
5. Maximum Purchase Order Quantity: The limit set by the admin market user for the maximum purchase quantity that can be saved in a single order for their organization.
6. Maximum Sales Order Quantity: The limit set by the admin market user for the maximum sales quantity that can be saved in a single order for their organization.
7. Maximum Purchase Order Price: Specifies the highest price that the admin market user has set for a purchase order. Users cannot submit purchase order above the specified price limit.
8. Minimum Sales Order Price: Specifies the lowest price that the admin market user has set for a sales order. Users cannot submit sales order below the specified price limit.
9. Order Check with Rate According to MCP: An option that allows the admin market user to control order entry when the price of the submitted orders is below or above a certain ratio of MCP. It comes into control when purchase orders are submitted above MCP, and sales orders are submitted below MCP. When selected, the administrator determines a deviation ratio, and if the submitted order is outside the deviation ratio, a warning screen appears. If the warning is not confirmed, the order is not saved.
10. Order Check with Price According to MCP: An option that allows the admin market user to control order entry when there is a greater difference between the price of the submitted orders and MCP than the specified value. It comes into control when purchase orders are submitted above MCP, and sales orders are submitted below MCP. When selected, the administrator determines a price difference, and if the submitted order is outside the price difference, a warning screen appears. If the warning is not confirmed, the order is not saved.
11. The  icon returns to the last saved state without saving changes made on the screen.
12. The  icon saves the changes made.
13. The  icon displays the history of the organization's limit changes through the pop-up below.

Version History ⌵ ⌵

20 items found ⌵ ⌵

Transaction Date/Hours	Max. Total P.	Max. Total S.	Net Status Purchase	Net Status Sales	Max. Purchase Order Qty.	Max. Sales Order Qty.	Max. Purchase Price	Min. Sales P.	Order Check with Rate According to MCP	Price Deviation Rate by MCP	Order Check with Price According to MCP	Price Deviation by MCP	Admin
12/07/2023 15:22	30,000 Lot	30,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	No	-	PKXXXXX
12/07/2023 15:22	30,000 Lot	30,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	Yes	50	No	-	PKXXXXX
11/28/2023 10:30	30,000 Lot	30,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	No	-	PKXXXXX
11/23/2023 19:46	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	No	-	PKXXXXX
11/23/2023 11:25	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	Yes	500.00	PKXXXXX
11/23/2023 11:23	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	Yes	15	No	-	PKXXXXX
11/23/2023 11:21	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	No	-	PKXXXXX
11/23/2023 11:16	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	Yes	15	No	-	PKXXXXX
11/23/2023 11:06	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	No	-	PKXXXXX
11/23/2023 11:01	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,890.00	€ 0.00	No	-	No	-	PKXXXXX

Previous 1 2 Next 10

Figure 117: Admin Limit Operations-Version History



Figure 118: Admin Limit Operations-Version History Icons

- The  icon expands the opened pop-up.
- The  icon closes the opened pop-up.
- Clicking the  icon downloads the "Version History" page as an Excel file.
- With the  icon, the positions of the titles in "Version History" can be rearranged and fixed.
- The  icon determines which columns are displayed or hidden in "Version History".
- The  icon determines the number of items listed.

Transaction Date/Hours	Max. Total P.	Max. Total S.	Net Status Purchase	Net Status Sales	Max. Purchase Order Qty.	Max. Sales Order Qty.	Max. Purchase Price	Min. Sales P.	Order Check with Rate According to MCP	Price Deviation Rate by MCP	Order Check with Price According to MCP	Price Deviation by MCP	Admin
12/07/2023 15:22	30,000 Lot	30,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	No	-	PKXXXXX
12/07/2023 15:22	30,000 Lot	30,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	Yes	50	No	-	PKXXXXX
11/28/2023 10:30	30,000 Lot	30,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	No	-	PKXXXXX
11/23/2023 15:46	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	No	-	PKXXXXX
11/23/2023 11:25	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	Yes	500.00	PKXXXXX
11/23/2023 11:23	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	Yes	15	No	-	PKXXXXX
11/23/2023 11:21	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	No	-	PKXXXXX
11/23/2023 11:16	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	Yes	15	No	-	PKXXXXX
11/23/2023 11:06	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,781.00	€ 0.00	No	-	No	-	PKXXXXX
11/23/2023 11:01	25,000 Lot	25,000 Lot	50,000 Lot	50,000 Lot	20,000 Lot	20,000 Lot	€ 2,900.00	€ 0.00	No	-	No	-	PKXXXXX

Figure 119: Admin Limit Operations-Version History Columns

Transaction Date/Hours: Displays the date and time when the limit change and order check according to PTF were performed.

Max. Total P.: Displays the history of the Maximum Total Purchase limit.

Max. Total S.: Displays the history of the Maximum Total Sales limit.

Net Status Purchase: Displays the history of the Net Status Purchase limit.

Net Status Sales: Displays the history of the Net Status Sales limit.

Max. Purchase Order Qty.: Displays the history of the Maximum Purchase Order Quantity limit.

Max. Sales Order Qty.: Displays the history of the Maximum Sale Order Quantity limit.

Max. Purchase Price: Displays the history of the Maximum Purchase Order Price limit.

Min. Sales P.: Displays the history of the Minimum Sales Order Price limit.

Order Check with Rate According to MCP: Displays the history of the choice of Order Check with Rate According to MCP.

Price Deviation Rate by MCP: Displays the history of the deviation ratio according to MCP.

Order Check with Price According to MCP: Displays the history of the choice of Order Check with Price According to MCP.

Price Deviation by MCP: Displays the history of the price deviation according to MCP.

Admin: Displays the username of the user who performed the transaction. If the transaction was performed by EPIAŞ, the username is displayed as "System".

The **Önceki** **Sonraki** icon determines the number of items to be displayed on a single page in the Version History, without switching to another page.

EXAMPLE: Maximum Total Purchase, Maximum Total Sales, Net Status Purchase, and Net Status Sales limits for participant “A” at contract PH23102920 are given in the table.

	Participant A
Maximum Total Purchase (Lot) ↑	300
Maximum Total Sales (Lot) ↓	300
Net Status Purchase Limit ↑	200
Net Status Sales Limit ↓	200

Transactions	Contract	Side	Order Quantity	Purchase Matching Qty.	Sales Matching Qty.	Order Status	Maximum Total Purchase	Maximum Total Sales	Net Status Purchase	Net Status Sales
1. Transaction	PH23102920	Purchase	30			Active	300-30=270	300	200-30=170	200
2. Transaction	PH23102920	Purchase	30			Canceled	270+30=300	300	170+30=200	200
3. Transaction	PH23102920	Purchase	40	40		AM at Registration	300-40=260	300	200-40=160	200+40=240
4. Transaction	PH23102920	Purchase	50			Active	260-50=210	300	160-50=110	240
5. Transaction	PH23102920	Sales	60			Active	210	300-60=240	110	240-60=180
6. Transaction	PH23102920	Sales	25			Passive	210	240-25=215	110	180-25=155
7. Transaction	PH23102920	Sales	60		15	Partially Matched	210	215	110+15=125	155
8. Transaction	PH23102920	Sales	45			Remaining Qty. After PM is Canceled	210	215+45=260	125	155+45=200
9. Transaction	PH23102920	Sales	100			Prive Levelled – Total Qty. is 100 Lot	210	260-100=160	125	200-100=100
10. Transaction	PH23102920	Purchase	10			Price Levelled	210-10=200	160	125-10=115	100
11. Transaction	PH23102920	Sales	25		10	Passive Order PM After Activated	200	160	115+10=125	100
12. Transaction	PH23102920	Sales	50			Iceberg Order with Total Qty. 50 Lot Level Qty. 25 Lot	200	160-50=110	125	100-50=50

Figure 120: Net Status Limit Example

The calculation has been made for the contract PH23102920.

1. Transaction: Unmatched order was saved following FoK or IoC.
2. Transaction: Cancellation due to an unmatched order was saved following FoK or IoC.
3. Transaction: Matching occurred when a 40 Lot purchase order was saved
4. Transaction: A 50 Lot purchase order was saved but did not match; actively listed on the order book.
5. Transaction: A 60 Lot sales order was saved but did not match; actively listed on the order book.
6. Transaction: A 25 Lot sales order was saved as passive awaiting activation; no change in limit value when activated.
7. Transaction: 15 Lot of the 60 Lot sales order from the 5th transaction partially matched; a 45 Lot sales order was actively listed.

8. Transaction: The remaining 45 Lot of the 60 Lot sales order from the 5th transaction was canceled.
9. Transaction: A price-leveled sales order with a total quantity of 100 Lot was saved.
10. Transaction: A time-leveled purchase order for 10 Lot was saved
11. Transaction: A 25 Lot passive sales order was activated, resulting in a partial matching of 10 Lot; the remaining 15 Lot was actively listed.
12. Transaction: An iceberg sales order with a total quantity of 50 Lot and a level quantity of 25 Lot was entered.

8.3 User-Based Limit Setting

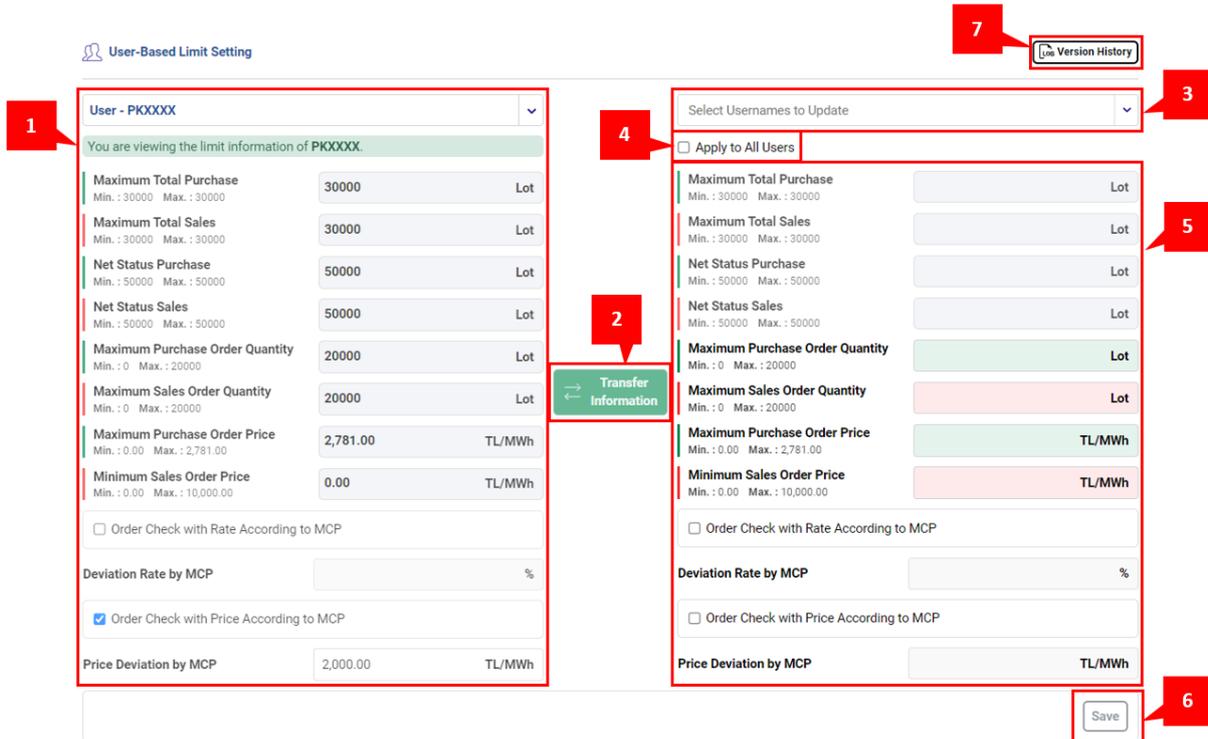
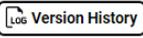


Figure 121: User-Based Limit Setting

This section is where the admin user sets the limits for their users and applies the option for order check according to MCP for the orders that users will enter.

1. In this section, 8 different limits set for the organization are displayed in Admin Limit Operations. Order Check with Rate According to MCP and Order Check with Price According to MCP will appear empty. Changes are not made in this section; it is for display purposes only.
2. The values set in Admin Limit Operations are transferred to the user side with the  icon.
3. With this filter, the admin user can select users. Each user can be selected individually, or if the same limits are desired for all users, the "Select All" option is checked.
4. When this option is checked, again, all limits will be applied to all users.
5. In this section, the admin user sets the limit values for users without exceeding the limit they have set in Admin Limit Operations. Order Check with Rate According to MCP and Order Check with Price According to MCP can be determined for each user. Order Check with Rate According to MCP or Order Check with Price According to MCP value entered is higher than the values set in Admin Limit Operations, the values in Admin Limit Operations will prevail.

- The  icon saves the changes made.
- The  icon displays the history of the organization's limit changes through the pop-up below.

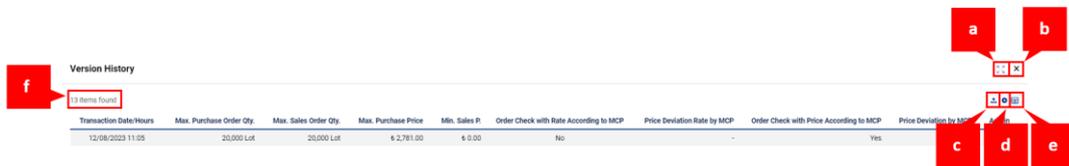
Version History ⌵ ⌵

13 items found ⌵ ⌵

Transaction Date/Hours	Max. Purchase Order Qty.	Max. Sales Order Qty.	Max. Purchase Price	Min. Sales P.	Order Check with Rate According to MCP	Price Deviation Rate by MCP	Order Check with Price According to MCP	Price Deviation by MCP	Admin
12/08/2023 11:05	20,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	Yes	2,000.00	PI0000X
12/05/2023 09:34	20,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	No	-	PI0000X
11/30/2023 09:27	20,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	Yes	2,000.00	PI0000X
11/30/2023 08:47	19,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	Yes	2,000.00	PI0000X
11/28/2023 10:30	20,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	No	-	PI0000X
11/28/2023 10:29	15,000 Lot	15,000 Lot	\$ 2,781.00	\$ 0.00	No	-	No	-	PI0000X
11/23/2023 15:46	15,000 Lot	15,000 Lot	\$ 2,500.00	\$ 0.00	No	-	No	-	PI0000X
11/23/2023 15:24	15,000 Lot	15,000 Lot	\$ 2,500.00	\$ 0.00	Yes	15	No	-	PI0000X
11/23/2023 11:30	20,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	No	-	PI0000X
11/02/2023 11:37	20,000 Lot	20,000 Lot	\$ 10,000.00	\$ 0.00	No	-	No	-	PI0000X

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Figure 122: User-Based Limit Setting-Version History



Version History ⌵ ⌵

13 items found ⌵ ⌵

Transaction Date/Hours	Max. Purchase Order Qty.	Max. Sales Order Qty.	Max. Purchase Price	Min. Sales P.	Order Check with Rate According to MCP	Price Deviation Rate by MCP	Order Check with Price According to MCP	Price Deviation by MCP	Admin
12/08/2023 11:05	20,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	Yes	2,000.00	PI0000X

Figure 123: User-Based Limit Setting-Version History Icons

- The  icon expands the opened pop-up.
- The  icon closes the opened pop-up.
- Clicking the  icon downloads the "Version History" page as an Excel file.
- With the  icon, the positions of the titles in "Version History" can be rearranged and fixed.
- The  icon determines which columns are displayed or hidden in "Version History".
- The number of items listed.

Transaction Date/Hours	Max. Purchase Order Qty.	Max. Sales Order Qty.	Max. Purchase Price	Min. Sales P.	Order Check with Rate According to MCP	Price Deviation Rate by MCP	Order Check with Price According to MCP	Price Deviation by MCP	Admin
12/08/2023 11:05	20,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	Yes	2,000.00	PI0000X
12/05/2023 09:34	20,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	No	-	PI0000X
11/30/2023 09:27	20,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	Yes	2,000.00	PI0000X
11/30/2023 08:47	19,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	Yes	2,000.00	PI0000X
11/28/2023 10:30	20,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	No	-	PI0000X
11/28/2023 10:29	15,000 Lot	15,000 Lot	\$ 2,781.00	\$ 0.00	No	-	No	-	PI0000X
11/23/2023 15:46	15,000 Lot	15,000 Lot	\$ 2,500.00	\$ 0.00	No	-	No	-	PI0000X
11/23/2023 15:24	15,000 Lot	15,000 Lot	\$ 2,500.00	\$ 0.00	Yes	15	No	-	PI0000X
11/23/2023 11:30	20,000 Lot	20,000 Lot	\$ 2,781.00	\$ 0.00	No	-	No	-	PI0000X
11/02/2023 11:37	20,000 Lot	20,000 Lot	\$ 10,000.00	\$ 0.00	No	-	No	-	PI0000X

Previous 1 Next 10

Figure 124: User-Based Limit Setting-Version History Columns

Transaction Date/Hours: Displays the date and time when the limit change and order check according to MCP were performed.

Max. Purchase Order Qty.: Displays the history of the Maximum Purchase Order Quantity limit.

Max. Sales Order Qty.: Displays the history of the Maximum Sale Order Quantity limit.

Max. Purchase Price: Displays the history of the Maximum Purchase Order Price limit.

Min. Sales P.: Displays the history of the Minimum Sales Order Price limit.

Order Check with Rate According to MCP: Displays the history of the choice of Order Check with Rate According to MCP.

Price Deviation Rate by MCP: Displays the history of the deviation ratio according to MCP.

Order Check with Price According to MCP: Displays the history of the choice of Order Check with Price According to MCP.

Price Deviation by MCP: Displays the history of the price deviation according to MCP.

Admin: Displays the username of the user who performed the transaction. If the transaction was performed by EPIAŞ, the username is displayed as "System".

The **Önceki** **Sonraki** icon determines the number of items to be displayed on a single page in the Version History, without switching to another page.

8.4 My Limits

The screenshot shows the 'Admin Limit Operations' interface. It features a grid of limit settings for purchase and sales, along with checkboxes for MCP-related options. Red callout boxes numbered 1 through 13 highlight the following elements:

- 1: Maximum Total Purchase (3000, Lot)
- 2: Maximum Total Sales (3000, Lot)
- 3: Net Status Purchase (100000, Lot)
- 4: Net Status Sales (10000, Lot)
- 5: Maximum Purchase Order Quantity (20000, Lot)
- 6: Maximum Sales Order Quantity (8000, Lot)
- 7: Maximum Purchase Order Price (10,000.00, TL/MWh)
- 8: Minimum Sales Order Price (0.00, TL/MWh)
- 9: Order Check with Rate According to MCP checkbox
- 10: Order Check with Price According to MCP checkbox
- 11: Default button
- 12: Save button
- 13: Version History button

Figure 125: My Limits

This section is where the user sets the limits for themselves and applies the option for order check according to MCP for the orders that they will enter.

1. Maximum Total Purchase, Maximum Total Sales, Net Status Purchase, and Net Status Sales limits are set by the admin user. Users cannot modify these limits.
2. Users can update Maximum Purchase Order Quantity, Maximum Sales Order Quantity, Maximum Purchase Order Price, and Minimum Sales Order Price limits, provided they do not exceed the limit values set by the admin user.
3. Users can choose either Order Check with Rate According to MCP or Order Check with Price According to MCP.
4. If the option "Prevent Order Registration Over Limit" is not selected, and any of the limits specified in items 2 and 3 are exceeded during order registration, the following warning is received.

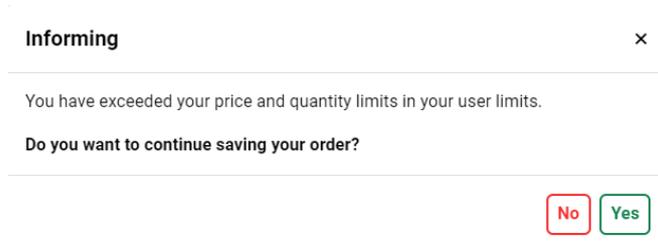


Figure 126: User Limits Exceeded Informing Pop-up

If the option " Prevent Order Registration Over Limit " is selected, and any of the limits specified in items 2 and 3 are exceeded, the order will not be saved.

If a user cannot save an order despite not reaching their self-determined Order Check value according to MCP, it indicates that the order exceeds the Order Check value set by the admin user according to MCP. Even if a user surpasses their self-determined Order Check value according to MCP, they will receive the following warnings if they also exceed the admin-determined Order Check value according to MCP. (Examples are shown for purchase orders; for sales orders, a warning containing "Cannot be below MCP" will be displayed.)

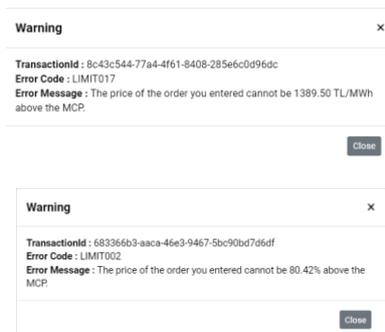


Figure 127: User Limits Exceeded Warning Pop-up

5. The **Default** icon returns to the last saved state without saving changes made on the screen.
6. The **Save** icon saves the changes made.
7. The **Load Version History** icon displays the history of the organization's limit changes through the pop-up below.

Version History ⌵ ⌵

17 items found ⌵ ⌵

Transaction Date/Hours	Max. Purchase Order Qty.	Max. Sales Order Qty.	Max. Purchase Price	Min. Sales P.	Order Check with Rate According to MCP	Price Deviation Rate by MCP	Order Check with Price According to MCP	Price Deviation by MCP
12/14/2023 12:04	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	Yes	10.00
12/14/2023 12:04	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	Yes	10.00
12/05/2023 09:34	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-
11/30/2023 09:46	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-
11/30/2023 09:45	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-
11/28/2023 10:30	20,000 Lot	20,000 Lot	₺ 2,781.00	₺ 0.00	No	-	No	-
11/28/2023 10:29	15,000 Lot	15,000 Lot	₺ 2,781.00	₺ 0.00	No	-	No	-
11/23/2023 15:46	15,000 Lot	15,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-
11/15/2023 12:02	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-
11/15/2023 12:02	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-

Previous 1 2 Next 10 ⌵

Figure 128: My Limits-Version History



Figure 129: My Limits-Version History Icons

- The  icon expands the opened pop-up.
- The  icon closes the opened pop-up.
- Clicking the  icon downloads the "Version History" page as an Excel file.
- With the  icon, the positions of the titles in "Version History" can be rearranged and fixed.
- The  icon determines which columns are displayed or hidden in "Version History".
- The number of items listed.

Transaction Date/Hours	Max. Purchase Order Qty.	Max. Sales Order Qty.	Max. Purchase Price	Min. Sales P.	Order Check with Rate According to MCP	Price Deviation Rate by MCP	Order Check with Price According to MCP	Price Deviation by MCP
12/14/2023 12:04	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	Yes	10.00
12/14/2023 12:04	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	Yes	10.00
12/05/2023 09:34	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-
11/30/2023 09:46	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-
11/30/2023 09:45	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-
11/28/2023 10:30	20,000 Lot	20,000 Lot	₺ 2,781.00	₺ 0.00	No	-	No	-
11/28/2023 10:29	15,000 Lot	15,000 Lot	₺ 2,781.00	₺ 0.00	No	-	No	-
11/23/2023 15:46	15,000 Lot	15,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-
11/15/2023 12:02	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-
11/15/2023 12:02	20,000 Lot	20,000 Lot	₺ 2,000.00	₺ 0.00	No	-	No	-

Previous 1 2 Next 10

Figure 130: My Limits-Version History Columns

Transaction Date/Hours: Displays the date and time when the limit change and order check according to MCP were performed.

Max. Purchase Order Qty.: Displays the history of the Maximum Purchase Order Quantity limit.

Max. Sales Order Qty.: Displays the history of the Maximum Sales Order Quantity limit.

Max. Purchase Price: Displays the history of the Maximum Purchase Order Price limit.

Min. Sales P.: Displays the history of the Minimum Sales Order Price limit.

Order Check with Rate According to MCP: Displays the history of the choice of Order Check with Rate According to MCP.

Price Deviation Rate by MCP: Displays the history of the deviation ratio according to MCP.

Order Check with Price According to MCP: Displays the history of the choice of Order Check with Price According to MCP.

Price Deviation by MCP: Displays the history of the price deviation according to MCP.

The 1 2 3 4 5 6 7 **Önceki** 20 **Sonraki** 10 icon determines the number of items to be displayed on a single page in the Version History, without switching to another page.

8.5 Limit Requests

User Name	Request Date	Current Maximum Total Purchase Quantity	Current Maximum Total Sales Quantity	Maximum Total Purchase Quantity Requested	Maximum Total Sales Quantity Requested	Maximum Total Purchase Quantity Approved	Maximum Total Sales Quantity Approved	Status	Admin Description	Confirmation Date	EPA(A) Description	Transaction
PKS801	12/14/2023 13:05:58	30000	30000	25000	25000			Waiting	Test			

Figure 131: Limit Requests

In this area, a user with the appropriate permissions can submit a new limit request for the organization. They can also view the approval status of the requested limits from this section.

User Name	Request Date	Current Maximum Total Purchase Quantity	Current Maximum Total Sales Quantity	Maximum Total Purchase Quantity Requested	Maxi	Transaction
PKS801	12/14/2023 13:05:58	30000	30000	25000		

Figure 132: Limit Requests Icons

1. The filtering areas can be removed or brought back to the screen with the filter icon.
2. The page is refreshed, and the current status is queried with the icon.
3. The authorized user can submit a limit request through the pop-up below that opens with icon.

Creating New Request ×

Maximum Total Purchase Quantity Requested :

Maximum Total Sales Quantity Requested :

Description :

Figure 133: New Limit Requests Pop-up

In this pop-up, the Maximum Total Purchase Quantity Requested and/or Maximum Total Sales Quantity Requested are entered. It is mandatory to fill in the description field. After filling in these three fields, press the Add New Request icon at the bottom right to save the new request. Once the limit request is saved, a notification will appear at the bottom right indicating that the request has been submitted.

4. With the icon, the positions of the titles in "Limit Requests" can be rearranged and fixed.
5. The icon determines which columns are displayed or hidden in "Limit Requests".

User Name	Request Date	Current Maximum Total Purchase Quantity	Current Maximum Total Sales Quantity	Maximum Total Purchase Quantity Requested	Maximum Total Sales Quantity Requested	Maximum Total Purchase Quantity Approved	Maximum Total Sales Quantity Approved	Status	Admin Description	Confirmation Date	EPA(A) Description	Transaction
PKS801	12/14/2023 13:05:58	30000	30000	25000	25000			Cancelled	Test			

Figure 134: Limit Requests Columns

User Name: Displays the username of the user making the limit request.

Request Date: Displays the date and time when the request was made.

Current Maximum Total Purchase Quantity: Displays the current Maximum Total Purchase Quantity limit of the relevant organization.

Current Maximum Total Sales Quantity: Displays the current Maximum Total Sales Quantity limit of the relevant organization.

Maximum Total Purchase Quantity Requested: Displays the Requested Maximum Total Purchase Quantity limit for the relevant organization.

Maximum Total Sales Quantity Requested: Displays the Requested Maximum Total Sales Quantity limit for the relevant organization.

Maximum Total Purchase Quantity Approved: Displays the Maximum Total Purchase Quantity limit approved by EPIAŞ.

Maximum Total Sales Quantity Approved: Displays the Maximum Total Sales Quantity limit approved by EPIAŞ.

Status: Indicates the status of the limit request. When the request is made, it shows "Waiting", and when approved by EPIAŞ, it shows "Approved."

Admin Description: The field where the user making the limit request enters the reason for the request.

Confirmation Date: Displays the date and time when the limit request is approved by EPIAŞ.

EPIAŞ Description: Displays the explanation entered by EPIAŞ when approving the limit request.

Transaction: The user making the limit request can cancel their request by clicking on the  icon that appears in this field when the request is pending.

9. REPORTS

9.1 Order Summary

Figure 135: Order Summary Report

This is the area where detailed statistics of the orders saved by the organization in the Intraday Market are displayed.

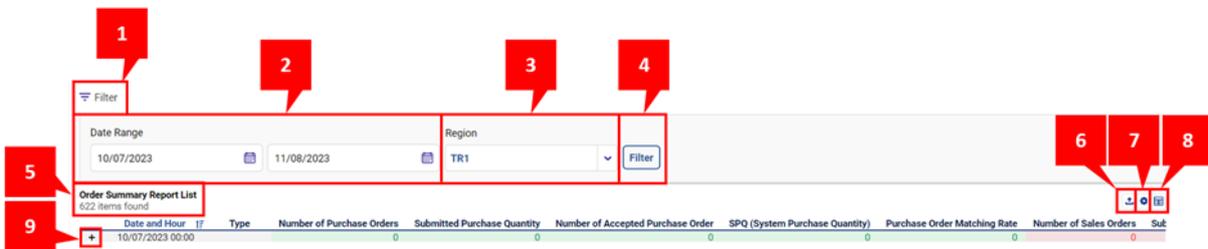


Figure 136: Order Summary Report Icons

1. The “Filter” icon allows users to hide or display filtering options on the screen.
2. In the “Date Range” filter, users can select the desired time range for filtering.
3. The “Region” filter displays the order region.
4. The icon enables comprehensive filtering operations.
5. The number of items listed based on applied filters is displayed.
6. Clicking the icon downloads the “Order Summary” page as an Excel file.
7. With the icon, the positions of the titles in "Order Summary" can be rearranged and fixed.
8. The icon determines which columns are displayed or hidden in "Order Summary".
9. When the + icon is pressed, the data in the report column will be separated into hourly and block³ formats for the respective hour.

Figure 137: Order Summary Report Columns

³ Block orders were abolished as of January 1, 2024, so the block icon will not appear from this date. The block icon may appear in data examined between July 1, 2015, and December 31, 2023. The following explanation is made for January 1, 2024, and later.

Date and Hour: Shows date and time information based on the selected date range. Clicking on the column header allows sorting from oldest to newest or vice versa.

Type: Pressing the + icon in this column indicates whether the order is hourly. When the hourly icon in the type column is pressed, the details of the data in the column will be displayed as a pop-up in the format of the "My Orders" section on the main page.

Matching Time	Order ID	Matching ID	Contract Name	Side	Matching Status	Matching Status Detail	Matching Price	Matching Quantity	User	Region
07/17/2024 12:29:43:682	3088986254	3088925297	PH24071715	Ask	Valid	Matching Price	1,150.00	25	PKXXXX	TR1
07/17/2024 12:29:43:682	3088986143	3088925297	PH24071715	Bid	Valid	Matching Price	1,150.00	25	PKXXXX	TR1
07/17/2024 12:29:43:680	3088986141	3088925296	PH24071715	Bid	Valid	Matching Price	1,150.00	50	PKXXXX	TR1
07/17/2024 12:29:43:680	3088986254	3088925296	PH24071715	Ask	Valid	Matching Price	1,150.00	50	PKXXXX	TR1
07/17/2024 12:13:13:576	3088986176	3088925295	PH24071723	Bid	Invalid (Matching Canceled)	Matching Canceled	1,520.00	21	SYSTEM	TR1

Figure 138: Order Summary Report-Hourly Order Detail

Number of Purchase Orders: The total number of purchase orders during the respective hour.

Submitted Purchase Quantity: The total quantity of all purchase orders during the respective hour.

Number of Accepted Purchase Order: The number of matched purchase orders during the respective hour.

SPQ (System Purchase Quantity): The total quantity of matched purchase orders during the respective hour.

Purchase Order Matching Rate: The ratio calculated with SPQ/Submitted Purchase Quantity

Number of Sales Orders: The total number of sales orders during the respective hour.

Submitted Sales Quantity: The total quantity of all sales orders during the respective hour.

Number of Accepted Sales Order: The number of matched sales orders during the respective hour.

SSQ (System Sales Quantity): The total quantity of all matched sales orders during the respective hour.

Sales Order Matching Ratio: The ratio calculated with SSQ/Submitted Sales Quantity

The **Önceki** **Sonraki** icon determines the number of items to be displayed on a single page in the Order Summary Report, without switching to another page.

9.2 Matching Summary

Matching Summary

Filter

Date Range: 12/12/2023 - 12/14/2023 | Region: TR1 | Filter

Matching Summary Report List
72 items found

Date and Hour	IF	Type	Purchase Order WAP	Purchase Matching WAP	SPQ	SPA	MCP	Sales Order WAP	Sales Matching WAP	SSQ	SSA
12/12/2023 00:00					0	0	99.98			0	0
12/12/2023 01:00					0	0	86.83			0	0
12/12/2023 02:00					0	0	95.29			0	0
12/12/2023 03:00					0	0	117.77			0	0
12/12/2023 04:00					0	0	118.79			0	0
12/12/2023 05:00					0	0	111.02			0	0
12/12/2023 06:00					0	0	114.29			0	0
12/12/2023 07:00					0	0	115.92			0	0
12/12/2023 08:00					0	0	112.09			0	0
12/12/2023 09:00					0	0	109.05			0	0
12/12/2023 10:00					0	0	121.68			0	0
12/12/2023 11:00					0	0	112.73			0	0
12/12/2023 12:00					0	0	110.67			0	0
12/12/2023 13:00					0	0	111.17			0	0
12/12/2023 14:00					0	0	112.15			0	0
12/12/2023 15:00					0	0	115.92			0	0
12/12/2023 16:00					0	0	115.81			0	0
12/12/2023 17:00			1550	1550	40	6200	104.17	1550	1550	40	6200
12/12/2023 18:00			1311.93	1311.93	127	16661.5	109.01	1497.62	1297.22	45	5837.5
12/12/2023 19:00			1450		0	0	115.97			0	0
12/12/2023 20:00			1382.99	1560	20	3120	113.93	1627.06	1560	20	3120
12/12/2023 21:00					0	0	127.44			0	0
12/12/2023 22:00					0	0	119.45			0	0
12/12/2023 23:00					0	0	133.03			0	0

Previous 1 2 3 Next 24

Figure 139: Matching Summary Report

This is the area where detailed statistics of the matched orders by the organization in the Intraday Market are displayed.

1. Filter icon (≡)

2. Date Range filter (12/12/2023 - 12/14/2023)

3. Region filter (TR1)

4. Filter button

5. Item count (72 items found)

6. Download icon (⬇)

7. Settings icon (⚙)

8. Column visibility icon (☰)

9. Expand icon (+)

Figure 140: Matching Summary Report Icons

1. The “Filter” icon ≡ allows users to hide or display filtering options on the screen.
2. In the “Date Range” filter, users can select the desired time range for filtering.
3. The “Region” filter displays the order region.
4. The **Filter** icon enables comprehensive filtering operations.
5. The number of items listed based on applied filters is displayed.
6. Clicking the ⬇ icon downloads the “Matching Summary” page as an Excel file.
7. With the ⚙ icon, the positions of the titles in "Matching Summary" can be rearranged and fixed.
8. The ☰ icon determines which columns are displayed or hidden in the "Matching Summary".
9. When the + icon is pressed, the data in the report column will be separated into hourly and block⁴ formats for the respective hour.

⁴ Block orders were abolished as of January 1, 2024, so the block icon will not appear from this date. The block icon may appear in data examined between July 1, 2015, and December 31, 2023. The following explanation is made for January 1, 2024, and later.

Date and Hour	IT	Type	Purchase Order WAP	Purchase Matching WAP	SPQ	SPA	MCP	Sales Order WAP	Sales Matching WAP	SSQ	SSA
12/12/2023 00:00	+		0	0	0	99.98	0	0	0	0	0
12/12/2023 01:00	+		0	0	0	96.83	0	0	0	0	0
12/12/2023 02:00	+		0	0	0	95.29	0	0	0	0	0
12/12/2023 03:00	+		0	0	0	117.77	0	0	0	0	0
12/12/2023 04:00	+		0	0	0	118.79	0	0	0	0	0
12/12/2023 05:00	+		0	0	0	111.02	0	0	0	0	0
12/12/2023 06:00	+		0	0	0	114.29	0	0	0	0	0
12/12/2023 07:00	+		0	0	0	115.92	0	0	0	0	0
12/12/2023 08:00	+		0	0	0	112.09	0	0	0	0	0
12/12/2023 09:00	+		0	0	0	109.05	0	0	0	0	0
12/12/2023 10:00	+		0	0	0	121.68	0	0	0	0	0
12/12/2023 11:00	+		0	0	0	112.73	0	0	0	0	0
12/12/2023 12:00	+		0	0	0	110.67	0	0	0	0	0
12/12/2023 13:00	+		0	0	0	111.17	0	0	0	0	0
12/12/2023 14:00	+		0	0	0	112.15	0	0	0	0	0
12/12/2023 15:00	+		0	0	0	115.92	0	0	0	0	0
12/12/2023 16:00	+		0	0	0	115.81	0	0	0	0	0
12/12/2023 17:00	+		1550	1550	40	6200	104.17	1550	1550	40	6200
12/12/2023 18:00	-	Hourly	1311.93	1311.93	127	16661.5	109.01	1497.62	1297.22	45	5837.5
12/12/2023 18:00			1311.93	1311.93	127	16661.5	109.01	1497.62	1297.22	45	5837.5
12/12/2023 19:00	+		1450	0	0	115.97	0	0	0	0	0
12/12/2023 20:00	+		1382.59	1560	20	3120	113.93	1627.06	1560	20	3120
12/12/2023 21:00	+		0	0	0	127.44	0	0	0	0	0
12/12/2023 22:00	+		0	0	0	119.45	0	0	0	0	0
12/12/2023 23:00	+		0	0	0	133.03	0	0	0	0	0

Figure 141: Matching Summary Report Columns

Date and Hour: Shows date and time information based on the selected date range. Clicking on the column header allows sorting from oldest to newest or vice versa.

Type: Pressing the + icon in this column indicates whether the order is hourly or block. When the hourly icon in the type column is pressed, the details of the data in the column will be displayed as a pop-up in the format of the "My Orders" section on the main page.

Matching Time	Order ID	Matching ID	Contract Name	Side	Matching Status	Matching Status Detail	Matching Price	Matching Quantity	User	Region
07/23/2024 14:15:36:060	3088988069	3088925723	PH24072321	Ask	Valid	Matching Price	100.00	12	PK000X	TR1
07/23/2024 14:15:36:060	3088988036	3088925723	PH24072321	Bid	Valid	Matching Price	100.00	12	PK000X	TR1
07/23/2024 14:15:23:352	3088988068	3088925768	PH24072319	Ask	Valid	Matching Price	1,200.00	10	PK000X	TR1
07/23/2024 14:15:23:352	3088987996	3088925768	PH24072319	Bid	Valid	Matching Price	1,200.00	10	PK000X	TR1

Figure 142: Matching Summary Report-Hourly Matching Detail

Purchase Order WAP: The weighted average price of all purchase orders during the respective hour.

Purchase Matching WAP: The weighted average price of all matched purchase orders during the respective hour.

SPQ (System Purchase Quantity): The total quantity of all matched purchase orders during the respective hour.

SPA (System Purchase Amount): The total amount of all buy-side matchings during the respective hour.

MCP: The market clearing price calculated in the Day-Ahead Market.

Sales Order WAP: The weighted average price of all sales orders during the respective hour.

Sales Matching WAP: The weighted average price of all matched sales orders during the respective hour.

SSQ (System Sales Quantity): The total quantity of all matched sales orders during the respective hour.

SSA (System Sales Amount): The total amount of all sell-side matchings during the respective hour.

9.3 Block Contract Summary

Figure 143: Block Contract Summary Report

This is the area where detailed statistics of the organization's matched block orders in the Intraday Market are displayed. The organization will have the opportunity to see the matching quantity and amount in the matched block contract with all market data.⁵

Figure 144: Block Contract Summary Report Icons

1. The “Filter” icon allows users to hide or display filtering options on the screen.
2. In the “Date Range” filter, users can select the desired time range for filtering.
3. The “Region” filter displays the order region.
4. The icon enables comprehensive filtering operations.
5. The number of items listed based on applied filters is displayed.
6. Clicking the icon downloads the “Block Contract Summary” page as an Excel file.
7. With the icon, the positions of the titles in "Block Contract Summary" can be rearranged and fixed.
8. The icon determines which columns are displayed or hidden in "Block Contract Summary".

Figure 145: Block Contract Summary Report Columns

Contract Name: Displays the name of the contract where the matching occurred.

AMCP: The arithmetic average of the market clearing price in the Day-Ahead Market during the time interval covered by the respective block contract. The price is in TL/MWh and has two decimal places.

⁵ Block orders were abolished as of January 1, 2024. Market participants can only see data between July 1, 2015, and December 31, 2023.

WAP: The weighted average price of the Intraday Market matchings for the respective block contract. The price is in TL/MWh and has two decimal places.

Purchase Quantity: The organization-based matched purchase quantity for the respective block contract. It displays the 1-hour quantity of the buy-side block matching.

Sales Quantity: The organization-based matched sales quantity for the respective block contract. It displays the 1-hour quantity of the sell-side block matching.

Net Status: The difference between the organization-based matched purchase quantity and sales quantity for the respective block contract. It is calculated by subtracting the sales quantity from the purchase quantity.

Purchase Amount: The calculated amount based on the organization's matched purchases for the respective block contract. It displays the 1-hour amount of the respective matching.

Sales Amount: The calculated amount based on the organization's matched sales for the respective block contract. It displays the 1-hour amount of the respective matching.

Net Amount: Calculated by subtracting the purchase amount from the sales amount. It is organization-based.

PCR %: The Price Change Ratio between the first and last matching in the respective contract.

Last Price: The price information of the last matching in the respective contract. The price is in TL/MWh and has two decimal places.

Last Quantity: The quantity information of the last matching in the respective contract. It is in lot units, where 1 lot is equal to 0.1 MW.

Max. Price: The highest-priced matching information in the respective contract. The price is in TL/MWh and has two decimal places.

Min. Price: The lowest-priced matching information in the respective contract. The price is in TL/MWh and has two decimal places.

Max. Quantity: The highest quantity matching information in the respective contract. It is in lot units, where 1 lot is equal to 0.1 MW.

Min. Quantity: The lowest quantity matching information in the respective contract. It is in lot units, where 1 lot is equal to 0.1 MW.

Trade Quantity: The total matched quantity in the respective contract.

Trade Volume: The total transaction volume in the respective contract.

The  icon determines the number of items to be displayed on a single page in the Block Contract Summary, without switching to another page.

9.4 Settlement

The screenshot shows the Settlement Report interface. At the top, there is a 'Settlement' header. Below it is a 'Filter' section with a 'Date Range' filter set to '11/27/2023 15:00' to '11/28/2023 14:00' and a 'Region' dropdown set to 'TR1'. A 'Filter' button is next to the region dropdown. Below the filter section, it says '24 Items found'. The main part of the interface is a table with the following columns: Date, Hour, IDM SSQ (MWh), IDM SSA (TL), IDM SPQ (MWh), and IDM SPA (TL). The table contains 24 rows of data, with a 'Total' row at the bottom. The total values are 21 for IDM SSQ (MWh), 28500 for IDM SSA (TL), 21 for IDM SPQ (MWh), and 28500 for IDM SPA (TL). At the bottom of the table, there is a pagination control with 'Previous', '1', '2', '3', 'Next', and '10'.

Date	Hour	IDM SSQ (MWh)	IDM SSA (TL)	IDM SPQ (MWh)	IDM SPA (TL)
11/27/2023	15:00	1	1500	1	1500
11/27/2023	16:00	5	6000	5	6000
11/27/2023	17:00	0	0	0	0
11/27/2023	18:00	15	21000	15	21000
11/27/2023	19:00	0	0	0	0
11/27/2023	20:00	0	0	0	0
11/27/2023	21:00	0	0	0	0
11/27/2023	22:00	0	0	0	0
11/27/2023	23:00	0	0	0	0
11/28/2023	00:00	0	0	0	0
Total		21	28500	21	28500

Figure 146: Settlement Report

This is the area where the organization views settlement information resulting from their matchings in the Intraday Market.

The screenshot shows the Settlement Report interface with red callouts highlighting various icons and filters. Callout 1 points to the 'Filter' icon. Callout 2 points to the 'Date Range' filter. Callout 3 points to the 'Region' filter. Callout 4 points to the 'Filter' button. Callout 5 points to the '24 Items found' text. Callout 6 points to the download icon. Callout 7 points to the settings icon. Callout 8 points to the column visibility icon.

Date	Hour	IDM SSQ (MWh)	IDM SSA (TL)	IDM SPQ (MWh)	IDM SPA (TL)
11/27/2023	15:00	1	1500	1	1500
11/27/2023	16:00	5	6000	5	6000

Figure 147: Settlement Report Icons

1. The "Filter" icon  allows users to hide or display filtering options on the screen.
2. In the "Date Range" filter, users can select the desired time range for filtering.
3. The "Region" filter displays the order region.
4. The  icon enables comprehensive filtering operations.
5. The number of items listed based on applied filters is displayed.
6. Clicking the  icon downloads the "Settlement" page as an Excel file.
7. With the  icon, the positions of the titles in "Settlement" can be rearranged and fixed.
8. The  icon determines which columns are displayed or hidden in "Settlement".

The screenshot shows the Settlement Report table with columns: Date, Hour, IDM SSQ (MWh), IDM SSA (TL), IDM SPQ (MWh), and IDM SPA (TL). The table contains 24 rows of data, with a 'Total' row at the bottom. The total values are 21 for IDM SSQ (MWh), 28500 for IDM SSA (TL), 21 for IDM SPQ (MWh), and 28500 for IDM SPA (TL). At the bottom of the table, there is a pagination control with 'Previous', '1', '2', '3', 'Next', and '10'.

Date	Hour	IDM SSQ (MWh)	IDM SSA (TL)	IDM SPQ (MWh)	IDM SPA (TL)
11/27/2023	15:00	1	1500	1	1500
11/27/2023	16:00	5	6000	5	6000
11/27/2023	17:00	0	0	0	0
11/27/2023	18:00	15	21000	15	21000
11/27/2023	19:00	0	0	0	0
11/27/2023	20:00	0	0	0	0
11/27/2023	21:00	0	0	0	0
11/27/2023	22:00	0	0	0	0
11/27/2023	23:00	0	0	0	0
11/28/2023	00:00	0	0	0	0
Total		21	28500	21	28500

Figure 148: Settlement Report Columns

Date: The date information for the selected range.

Hour: The hour information for the selected range.

IDM SSQ(MWh): The total quantity of all matched sales orders during the respective hour.

IDM SSA(TL): The total amount of all matched sales orders during the respective hour.

IDM SPQ(MWh): The total quantity of all matched purchase orders during the respective hour.

IDM SPA(TL): The total amount of all matched purchase orders during the respective hour.

Total: The total of IDM SSQ, IDM SSA, IDM SPQ, and IDM SPA for the selected date and time range for the respective organization.

The **Önceki** **Sonraki** icon determines the number of items to be displayed on a single page in the Settlement Report, without switching to another page.

9.5 OTR

OTR

Filter

Date Range: 12/11/2023 15:00 to 12/15/2023 23:00 | Region: TR1 | Filter

Update Time: 12/14/2023 14:18:16

14 items found

Contract Name	Number of Orders	Number of Updates and Orders	Number Of Matchings	Order Trade Ratio	OTR Block Limit
PH23121217	2	4	0	3	1000
PH23121218	8	16	1	15	1000
PH23121219	1	2	0	1	1000
PH23121220	6	12	0	11	1000
PH23121311	4	8	0	7	1000
PH23121312	2	4	0	3	1000
PH23121313	2	5	0	4	1000
PH23121314	2	6	0	5	1000
PH23121315	7	15	1	14	1000
PH23121316	1	2	0	1	1000

Previous Next

Figure 149: OTR Report

This is the area where the organization can track the Order Trade Ratio (OTR) information. “Number of Orders”, “Number of Updates and Orders”, and “Number of Matchings” can also be displayed as contract-based.

1

2

3

4

5

6

7

8

9

Filter

Date Range: 12/13/2023 16:00 to 12/21/2023 23:00 | Region: TR1 | Filter

Update Time: 12/20/2023 15:13:02

15 items found

Contract Name	Number of Orders	Number of Updates and Orders	Number of Matchings	Order Trade Ratio	OTR Block Limit
PH23121316	1	2	0	1	1000
PH23121317	3	9	0	8	1000
PH23121321	2	4	0	3	1000

Figure 150: OTR Report Icons

1. The “Filter” icon  allows users to hide or display filtering options on the screen.
2. In the “Date Range” filter, users can select the desired time range for filtering.
3. The “Region” filter displays the order region.
4. The  icon enables comprehensive filtering operations.
5. Displays the last update time of the OTR report.

6. The number of items listed based on applied filters is displayed.
7. Clicking the  icon downloads the "OTR" page as an Excel file.
8. With the , the positions of the titles in "OTR" can be rearranged and fixed.
9. The  icon determines which columns are displayed or hidden in "OTR".

Contract Name	Number of Orders	Number of Updates and Orders	Number Of Matchings	Order Trade Ratio	OTR Block Limit
PH23121217	2	4	0	3	1000
PH23121218	8	16	1	15	1000
PH23121219	1	2	0	1	1000
PH23121220	6	12	0	11	1000
PH23121311	4	8	0	7	1000
PH23121312	2	4	0	3	1000
PH23121313	2	5	0	4	1000
PH23121314	2	6	0	5	1000
PH23121315	7	15	1	14	1000
PH23121316	1	2	0	1	1000

Previous 1 2 Next 10

Figure 151: OTR Report Columns

Contract Name: Lists contracts where the organization's OTR value is at least 1. The pop-up below will show up with  icon.

Contract Name  Clear

Select ▼

Filter

Figure 152: OTR Report-Contract Filter

The user can search for the desired contract name from this pop-up. After entering the contract name, filtering is saved by clicking the Filter icon. The selected contract name can be deleted by clicking the  Clear icon.

Number of Orders: The total number of orders entered by the participant for a contract. It is the sum of New (NE) order detail statuses. Different order IDs in the contract can also be obtained by summing them up.

Number of Updates and Orders: The total number of updates in the order details, including Updated (UP), Passive (PA) and User Cancellation (UC) detail statuses. New (NE), Partially Matched (PM), All Matched (AM), Timed Out (TO), System Cancellation (SC), Participation Agreement Canceled (PAC) and Insufficient Collateral (IC) order detail statuses are not included in this calculation.

Number of Matchings: The total number of matchings for a participant in a contract. It is the sum of All Matched (AM) and Partially Matched (PM) order detail statuses. Different matching IDs in the contract can also be obtained by summing them up. Matchings that an organization is matching with themselves are not included in the matching count for OTR calculation.

Order Trade Ratio: OTR value calculated as $OTR = \frac{\text{Number of Orders} + (\text{Number of Updates})}{\text{Number of Matchings}} - 1$

OTR Block Limit: It is the threshold value before blocking the organization because of their OTR.

The 1 2 3 4 5 6 7 Sonraki 20 ▼ icon determines the number of items to be displayed on a single page in the OTR Report, without switching to another page.

9.6 OUN

The screenshot shows the OUN report interface. At the top, there is a search bar labeled 'OUN'. Below it is a 'Filter' section with a 'Date Range' (10/16/2024 00:00 to 10/16/2024 23:59), a 'Region' dropdown (TR1), and a 'Show Excess' checkbox. A 'Filter' button is present. Below the filters, the 'Update Time' is 10/16/2024 10:01:58. A message indicates '35 items found'. The main table has columns: Organization Name, Contract Name, OUN, Trading Day, Time to Exceed, and OUN Threshold Limit. The table contains five rows of data. At the bottom, there are navigation icons for 'Previous' and 'Next' with a page number '5'.

Organization Name	Contract Name	OUN	Trading Day	Time to Exceed	OUN Threshold Limit
Organization Name	PH24101610	865	10/15/2024	-	10000
Organization Name	PH24101611	10035	10/15/2024	15/10/2024 21:08:42	10000
Organization Name	PH24101611	214	10/16/2024	-	10000
Organization Name	PH24101612	448	10/15/2024	-	10000
Organization Name	PH24101612	92	10/16/2024	-	10000

Figure 153: OUN Report

This is the area where your organization will track the Order Update Number (OUN) information.

The screenshot is the same as Figure 153, but with red callout boxes numbered 1 through 10 pointing to various UI elements: 1. Filter icon; 2. Date Range input fields; 3. Region dropdown; 4. Show Excess checkbox; 5. Filter button; 6. Update Time; 7. 35 items found; 8. Download icon; 9. Settings icon; 10. Table column headers.

Figure 154: OUN Reports Icons

1. With the Filter icon, filtering areas can be removed from the screen or brought back.
2. In the Date Range filter, the user can filter by selecting the desired time range. In addition, after selecting the start and end date, he can choose the time from which time of the start date to which time of the end date he wants to see the report.
3. The order region is displayed in the region filter.
4. If this box is checked, only the days of exceed will be listed.
5. All filtering operations can be apply with this icon.
6. Shows when the OUN report was last updated.
7. The number of records listed is shown based on the filters applied.
8. When the icon is clicked, the OUN sheet is downloaded as Excel file.
9. icon, the locations of the titles on the OUN page can be changed.

The screenshot shows the OUN report table with a grid icon on the left. Below the grid icon, the text 'icon determines which column will be shown' is displayed. The table below has the same structure as Figure 153.

Organization Name	Contract Name	OUN	Trading Day	Time to Exceed	OUN Threshold Limit
Organization Name	PH24101610	865	10/15/2024	-	10000
Organization Name	PH24101611	10035	10/15/2024	15/10/2024 21:08:42	10000
Organization Name	PH24101611	214	10/16/2024	-	10000
Organization Name	PH24101612	448	10/15/2024	-	10000
Organization Name	PH24101612	92	10/16/2024	-	10000

Figure 155: OUN Reports Columns

Organization Name: The name information of the relevant organization.

Contract Name: Contracts where the OUN value of the relevant organization is at least 1 are listed.

OUN: The total of the New(NE), Updated (UP), Passive (PA) and User Cancellation (UC), detail statuses in order detail. OUN is calculated every day from 00:00 to 23:59:59 and is reset at the end of each day. The OUN upper limit is applied as 10,000 in the intraday market. For any contract, OUI is applied as 100 milliseconds until OUN reaches 10,000, and when it does, OAI is applied as 5 seconds until the relevant day ends.

Trading Day: Indicates the day on which the OUN value is calculated.

Violation Time: Indicates the day and time information on which the OUN threshold value was exceeded.

OUN Threshold Value: OUN value for which the Order Update Interval (OUI) sanction will be applied. Order update interval (OUI) is the minimum time interval between each order submission, update, deactivation and cancellation transactions. OUI is applied as 100 milliseconds in the intraday market. For any contract, OUI is applied as 100 milliseconds until the OUN threshold value is reached, and when it is reached, OUI is applied as 5 seconds until the relevant day ends.

Previous 1 2 3 4 5 6 7 Next 5

icon, the number of records to be displayed on a single page is determined without switching to the other page in the OUN Report area and it is possible to switch between pages.

Case Study of Order Update Number

On November 20, 2024 at 6:00PM, the IDM contracts for the delivery day of November 21, 2024 are opened. As of 18:00 on November 20, 2024, the relevant organization starts trading the next day's contracts.

As of 22:00 on November 20, 2024;

- 1. At 10:00 p.m., the organization's OUN value reached 10,000 for contract 15 (PH24112115).
- 1. Since the OUN value reaches 10,000, the Order Update Interval (OUI), which is applied as 100 ms before the exceed of the OUN, updated to 5 seconds for all contracts from the moment the excess is made until the end of the day for the relevant organization.
- 2. In this case restriction starts at 22:00 and ends at 23:59:59 of November 20, 2024.

As of November 21, 2024, at 00:00;

- 3. As the day has turn to November 21, 2024, the OUN values in all contracts of the organization are reset to zero and OUI turns back to 100 ms.

As of November 21, 2024, at 08:00;

- 4. The organization continues to trading that are active on November 21, 2024, and OUN values counting for each contract.
- 5. At 08:00, the OUN value of the organization reached the level of 10,000 for contract 20.
- 6. The OUI, which has been applied as 100 ms until this moment from 00:00, is changed as 5 seconds until the end of the day on November 21, 2024.

As of November 21, 2024, at 18:00;

7. At 18:00, the IDM contracts for the next day are opened.
8. However, since the OUN value of the relevant organization reached the level of 10,000 in contract 20 on November 21, 2024, the OUI value of the organization continues to be applied as 5 seconds for all of the contracts of the next day.

The process continues to be operated on a daily basis.

Contracts	Order Update Number (OUN)		
	Date/Time	20.11.2024 at 22:00	21.11.2024 at 00:00
PH24112023	6500	-	-
PH24112100	1500	-	-
PH24112101	2000	-	-
PH24112102	1200	0	-
PH24112103	7600	0	-
PH24112104	8800	0	-
PH24112105	7500	0	-
PH24112106	8500	0	-
PH24112107	9000	0	-
PH24112108	6500	0	-
PH24112109	4500	0	-
PH24112110	5000	0	6500
PH24112111	4900	0	4800
PH24112112	5800	0	9100
PH24112113	5700	0	4600
PH24112114	4800	0	2800
PH24112115	10000	0	3400
PH24112116	6800	0	2400
PH24112117	4500	0	6100
PH24112118	8500	0	2700
PH24112119	6500	0	5900
PH24112120	4700	0	10000
PH24112121	8400	0	3700
PH24112122	6800	0	5800
PH24112123	9100	0	6900

10. COLLATERAL OPERATIONS

Collateral Operations

Filter

Date: 12/14/2023 [Show Collateral](#)

Collateral Information
1 Items found [Advance Blocked Integration](#) [Download](#) [Settings](#)

Control Time	Collateral Status	Current Cash Collateral Amount	Required Cash Collateral Amount	Current Total Collateral Amount	Required Total Collateral Amount
12/05/2023 09:36	Collateral is sufficient	100,000.00	100,000.00	100,000.00	100,000.00

Previous 1 Next 20

Figure 156: Collateral Operations

In the Collateral Operations section, the users will view their collateral information. Collateral values during Intraday Market collateral control times are followed in this area.

Collateral Operations

Filter

Date: 12/14/2023 [Show Collateral](#)

Collateral Information
1 Items found [Advance Blocked Integration](#) [Download](#) [Settings](#)

Control Time	Collateral Status	Current Cash Collateral Amount	Required Cash Collateral Amount	Current Total Collateral Amount	Required Total Collateral Amount
12/05/2023 09:36	Collateral is sufficient	100,000.00	100,000.00	100,000.00	100,000.00

Previous 1 Next 20

Figure 157: Collateral Operations Icons

1. The "Filter" icon allows users to hide or display filtering options on the screen.
2. In the "Date" filter, users can select the desired time for filtering.
3. With the [Show Collateral](#) icon the collateral status of the organization for the selected date can be displayed.
4. The number of items listed based on applied filters is displayed.
5. When you click on the [Advance Blocked Integration](#) Unrequired Market Transactions >> Control Operations page is displayed on the EPYS screen. When market participants are exposed to advance blocking due to Intraday Market transactions, they can learn the reason from EPYS, by clicking on this icon.
6. Clicking the icon downloads the "Collateral Operations" page as an Excel file.
7. With the icon, the positions of the titles in "Collateral Operations" can be rearranged and fixed.
8. The icon determines which columns are displayed or hidden in "Collateral Operations".

Control Time	Collateral Status	Current Cash Collateral Amount	Required Cash Collateral Amount	Current Total Collateral Amount	Required Total Collateral Amount
12/05/2023 09:36	Collateral is sufficient	100,000.00	100,000.00	100,000.00	100,000.00
12/14/2023 14:29	Collateral Insufficient	100,000.00	100,000.00	100,000.00	100,000.00
12/14/2023 14:29	PFM Default	100,000.00	100,000.00	100,000.00	100,000.00
12/14/2023 14:29	Collateral is sufficient	100,000.00	100,000.00	100,000.00	100,000.00

Previous 1 Next 20

Figure 158: Collateral Operations Columns

Control Time: Displays the day and time when the collateral information on the screen is checked.

Collateral Status: Displays the collateral status of the organization on the selected date. There are three states: "Collateral is Sufficient", "Collateral Insufficient", and "PFM Default".

Current Cash Collateral Amount: Displays the current cash collateral amount after the last collateral check.

Required Cash Collateral Amount: Displays the required cash collateral amount after the last collateral check.

Current Total Collateral Amount: Displays the current total collateral amount after the last collateral check.

Required Total Collateral Amount: Displays the required total collateral amount after the last collateral check.

The Önceki Sonraki icon determines the number of items to be displayed on a single page in the Collateral Operations, without switching to another page.

11.ANNOUNCEMENTS

The screenshot shows the 'Announcements' interface. At the top, there is a 'Filter' section with the following fields: 'Date Range' (11/29/2023 to 12/20/2023), 'Topic' (9 Item Selected), 'Announcement Status' (All), and a 'Search' field. Below the filter is an 'Announcement List' header with '14 Items Found'. The table below has columns for 'Publish Date', 'If', 'Topic', 'Announcement Status', and 'Description'. The table contains 10 rows of data, with the first row having a 'Read' status and the others 'Unread'. At the bottom of the table, there are 'Previous' and 'Next' navigation buttons.

Publish Date	If	Topic	Announcement Status	Description
12/19/2023 11:38		Test Automation New Announcement	"Read"	Test Automation English Announcement
12/19/2023 10:40		Test Automation New Announcement	"Unread"	Test Automation English Announcement
12/19/2023 10:39		Test Automation New Announcement	"Unread"	Test Automation English Announcement
12/19/2023 10:39		Test Automation New Announcement	"Unread"	Test Automation English Announcement
12/19/2023 10:39		Test Automation New Announcement	"Unread"	Test Automation English Announcement
12/19/2023 10:38		Test Automation New Announcement	"Unread"	Test Automation English Announcement Update
12/19/2023 10:38		MARKET TRADING LIMITS	"Unread"	Test Automation English Announcement
12/19/2023 10:38		CALL CENTER PLANNED MAINTENANCE WORK	"Unread"	Test Automation English Announcement
12/19/2023 10:38		WEB SERVICE CHANGES	"Unread"	Test Automation English Announcement
12/19/2023 10:38		TEIAS PLANNED MAINTENANCE WORK	"Unread"	Test Automation English Announcement

Figure 159: Announcements

In the Announcements section, users can filter and view announcements published by EPIAŞ. When the page is first opened, announcements will be listed for the current day.

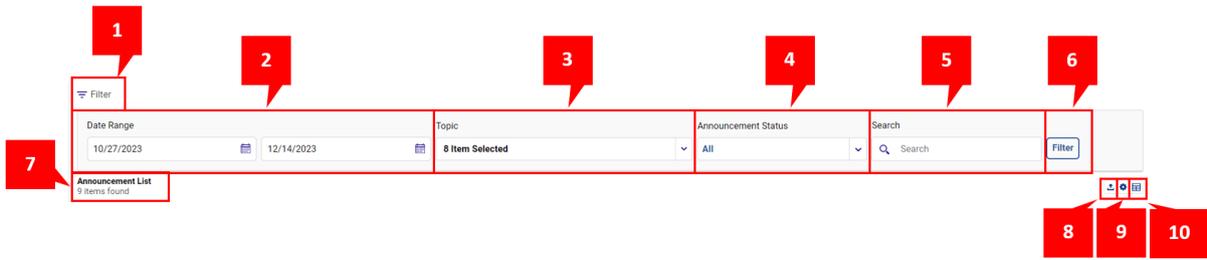


Figure 160: Announcements Icons

1. The "Filter" icon allows users to hide or display filtering options on the screen.
2. In the "Date Range" filter, users can select the desired time range for filtering.
3. In the "Topic" filter users can select the announcement's topic.
4. In the "Announcement Status" filter users can select the announcement status from "Read" and "Unread."
5. In the "Search" filter users can search for the words within the announcement text. Announcements containing the searched word or words are listed.
6. The icon enables comprehensive filtering operations.
7. The number of items listed based on applied filters is displayed.
8. Clicking the icon downloads the "Announcement" page as an Excel file.
9. With the icon, the positions of the titles in "Announcement" can be rearranged and fixed.
10. The icon determines which columns are displayed or hidden in "Announcement".

Publish Date	Topic	Announcement Status	Description
12/19/2023 11:38	Test Automation New Announcement	"Read"	Test Automation English Announcement
12/19/2023 10:40	Test Automation New Announcement	"Unread"	Test Automation English Announcement
12/19/2023 10:39	Test Automation New Announcement	"Unread"	Test Automation English Announcement
12/19/2023 10:39	Test Automation New Announcement	"Unread"	Test Automation English Announcement
12/19/2023 10:39	Test Automation New Announcement	"Unread"	Test Automation English Announcement
12/19/2023 10:38	Test Automation New Announcement	"Unread"	Test Automation English Announcement Update
12/19/2023 10:38	MARKET TRADING LIMITS	"Unread"	Test Automation English Announcement
12/19/2023 10:38	CALL CENTER PLANNED MAINTENANCE WORK	"Unread"	Test Automation English Announcement
12/19/2023 10:38	WEB SERVICE CHANGES	"Unread"	Test Automation English Announcement
12/19/2023 10:38	TEIAS PLANNED MAINTENANCE WORK	"Unread"	Test Automation English Announcement

Previous 1 2 Next

Figure 161: Announcement Columns

Publish Date: Indicates the time the announcement was published. Initially, announcements are sorted to show the newest at the top. By clicking on "Publish Date", you can change the sorting to display from oldest to newest and vice versa.

Topic: Displays the subject of the announcement.

Announcement Status: Shows "Read" if the announcement has been read by the user, and "Unread" if it hasn't.

Description: Displays the text of the announcement written when the announcement was published.

The Önceki 1 2 3 4 5 6 7 Sonraki 20 v icon determines the number of items to be displayed on a single page in the Announcements, without switching to another page.

12. OPERATIONS HISTORY

The screenshot shows the 'Operations History' section. At the top, there is a 'Filter' icon. Below it is a filter bar with the following fields: 'Date Range' (12/13/2023 to 12/15/2023), 'User' (All), 'Region' (All), 'Importance' (All), 'Transaction Type' (All), and 'Topic' (All). A 'Filter' button is on the right. Below the filter bar, it says 'Operation History' and '71 Items found'. The main part of the screenshot is a table with the following columns: Time, IF, User, Region, Importance, Transaction Type, Log Description, and Description. The table contains five rows of log entries. At the bottom of the table, there are navigation icons: 'Previous', a list of numbers (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15), and 'Next'.

Time	IF	User	Region	Importance	Transaction Type	Log Description	Description
12/14/2023 14:29:52:107		SYSTEM		Info	System	The collateral status of the 'Organization Name' org...	
12/14/2023 14:29:47:668		SYSTEM		Info	System	The collateral status of the 'Organization Name' org...	
12/14/2023 14:29:42:232		SYSTEM		Info	System	The collateral status of the 'Organization Name' org...	
12/14/2023 13:44:23:559		PKXXXX		Info	User	User PKXXXX logged into the IDM system on 2023-12-14 13:44:23.559.	
12/14/2023 13:21:33:643		PKXXXX		Info	User	User PKXXXX logged out of IDM on 2023-12-14 13:21:33.643.	

Figure 162: Operation History

All transactions related to the organization and system logs are followed in the Operation History section. When the market participants open the screen, first data for the current day will be displayed.

The screenshot is the same as Figure 162, but with red callout boxes numbered 1 through 11. Callout 1 points to the 'Filter' icon. Callout 2 points to the 'Date Range' filter. Callout 3 points to the 'User' filter. Callout 4 points to the 'Region' filter. Callout 5 points to the 'Importance' filter. Callout 6 points to the 'Transaction Type' filter. Callout 7 points to the 'Topic' filter. Callout 8 points to the 'Filter' button. Callout 9 points to the '71 Items found' text. Callout 10 points to the gear icon for column reordering. Callout 11 points to the table icon for column visibility.

Figure 163: Operation History Icons

1. The "Filter" icon allows users to hide or display filtering options on the screen.
2. The "Date Range" filter allows the user to filter operations by selecting a desired date range. Initially, the dates are set to one day before and one day after the current day.
3. The "User" filter lists and filters users associated with the organization, including inactive users with system logs.
4. The "Region" filter displays the region.
5. The "Importance", filters logs based on their importance level and status. Options include "Info", "Warning", and "Error". "Info" for logs displayed for informational purposes, "Warning" for logs related to announcements and parameter changes, and "Error" for logs indicating received errors.
6. "Transaction Type" indicates whether the transaction is performed by the "System" or "User." "System" means transactions executed by the system, such as contract creation and closure, while "User" means transactions performed by the user, like logging into the system and saving orders.
7. The "Topic" filter lists and filters topics, including "Announcements", "Collateral", "Collateral Status Change", "Error Messages", "Matched", "Objection", "Order Transactions", "Limits", and "User Transactions".
8. The icon enables comprehensive filtering operations.
9. The number of items listed based on applied filters is displayed.
10. With the icon, the positions of the titles in "Operations History" can be rearranged and fixed.
11. The icon determines which columns are displayed or hidden in "Announcement".

Time	IF	User	Region	Importance	Transaction Type	Log Description	Description
12/14/2023 14:29:52.107		SYSTEM		Info	System	The collateral status of the 'Organization Name' org...	
12/14/2023 14:29:47.668		SYSTEM		Info	System	The collateral status of the 'Organization Name' org...	
12/14/2023 14:29:42.232		SYSTEM		Info	System	The collateral status of the 'Organization Name' org...	
12/14/2023 13:44:23.559		PKXXXX		Info	User	User PKXXXX logged into the IDM system on 2023-12-14 13:44:23.559.	
12/14/2023 13:21:33.643		PKXXXX		Info	User	User PKXXXX logged out of IDM on 2023-12-14 13:21:33.643.	

Previous 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 Next

Figure 164: Operations History Columns

Time: Displays the time of the relevant log entry, including date, hour, minute, second, and millisecond. Initially, the newest transaction is shown at the top. Clicking on the “Time” label allows sorting from oldest to newest and vice versa.

User: Displays the user information who performed the transaction.

Region: Displays the information about the region where the transaction took place.

Importance: Indicates the importance of the log entry.

Transaction Type: Displays the type of transaction.

Log Description: Displays the system-generated description for the respective entry.

Description: This field is where users can view the Transaction ID of error messages they receive.

The 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 20 21 22 23 24 25 26 27

13. SETTINGS



Figure 165: Settings

In the "Settings" section, users can adjust general settings related to the software interface, configure notifications, and view parameters. The Settings area can be viewed on full screen by clicking the  icon.

13.1 General Settings



Figure 166: General Settings

Language: Users can select the language they want to use in the software. Turkish and English options are available.

Theme: Users can choose the theme they want to use in the software. Options include "Light" and "Dark."

Region: Users can select the region.

Session Duration: Indicates when the session will be closed, even if the user is actively engaged. The minimum duration is 15 minutes, and the maximum duration is 2 hours and 30 minutes. Each participant makes their selection for their user.

13.2 Notifications

General Settings **Notifications** Parameters

Notifications Management Area

Contract Detail Notification	Notification Method E-Mail <input type="text" value="x"/> <input type="text" value="v"/>	Open <input checked="" type="checkbox"/>
Daily Summary Notification	Notification Method E-Mail <input type="text" value="x"/> <input type="text" value="v"/>	Open <input checked="" type="checkbox"/>
Minimum Matching Notification Quantity	Minimum Notification Value/Notification Method 50 <input type="text" value="x"/> <input type="text" value="v"/> Min.:50 Max.:20,000	Open <input checked="" type="checkbox"/>
Hourly Total Matching Limit	Minimum Notification Value/Notification Method 100 <input type="text" value="x"/> <input type="text" value="v"/> Min.:100 Max.:20,000	Open <input checked="" type="checkbox"/>
Matching Notification Sound	<input type="text" value="x"/> <input type="text" value="v"/>	Open <input checked="" type="checkbox"/>
Objection Answer Voice	<input type="text" value="x"/> <input type="text" value="v"/>	Open <input checked="" type="checkbox"/>
Time to Display Notifications	<input type="text" value="x"/> <input type="text" value="v"/>	5 Second <input type="text" value="v"/>

Figure 167: Notifications Management Area

In specific situations where notifications are desired, the icon next to the relevant notification is switched from closed to open, and the preferred notification method and, if available, minimum notification values are selected.

Contract Detail Notification: Notification sending detailed matching information related to the contract. If there is no matching, even if there are orders at the specified time, no notification will be sent. Only the "E-mail" notification option is available. Data will be sent 15 minutes after the contract is closed.

Daily Summary Notification: Notification sending summary information of daily transactions. It is the same as the Settlement Report in the Reports section. Only the "E-mail" notification option is available. Notifications will be sent at 2 a.m. the day after the end of the physical delivery day.

Minimum Matching Notification Quantity: If a matching quantity is above the set minimum matching notification quantity, a notification will be sent according to the preferred method. Users cannot enter a value below 50 Lot. Separate notifications will be sent for purchase and sales matchings. There are three notification options: "E-mail," "SMS," and "E-mail & SMS." Notifications will be sent when the set minimum notification values are first exceeded; no notification will be sent again for each subsequent exceedance.

Hourly Total Matching Limit: If the total matching quantity for purchase and sales separately reaches the participant's Hourly Total Matching Limit for a settlement hour, a notification will be sent to the participant according to the preferred method. Users cannot enter a value below 100 Lot. Separate notifications are possible for purchase and sales matchings. There are three notification options: "E-mail," "SMS," and "E-mail & SMS." Notifications will be sent when the set minimum notification value is first exceeded; no notification will be sent again for each subsequent exceedance.

Matching Notification Sound: Selection of whether the audible alert for matching notification is on or off.

Objection Answer Voice: Selection of whether the audible alert for responding to an objection is on or off.

Time to Display Notifications: Selection of how long a new notification will be displayed on the screen. A minimum of 1 second and a maximum of 10 seconds can be selected.

The selected options can be saved with the  icon.

13.3 Parameters

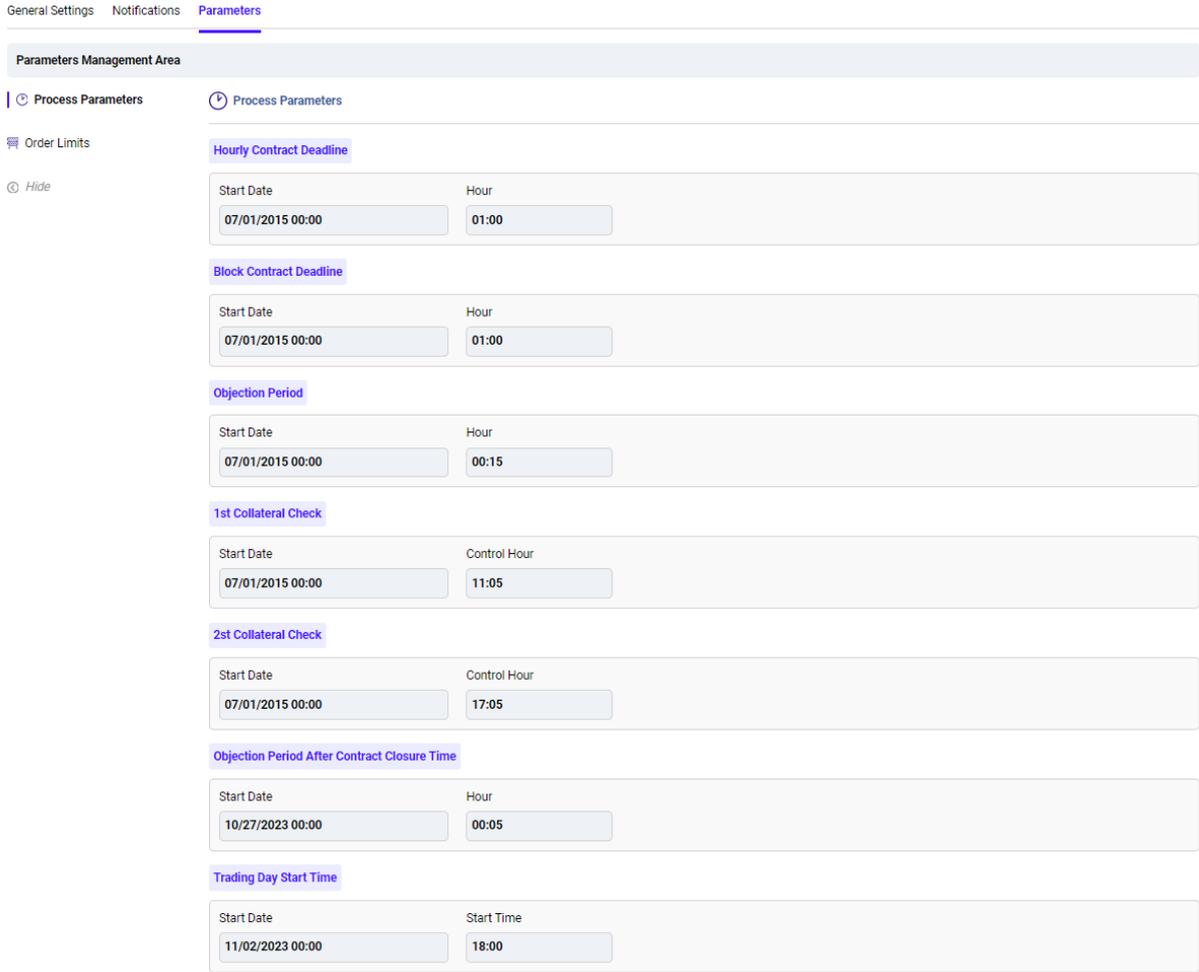


Figure 168: Parameters Management Area

In the Parameters section, users can view predefined parameters related to processes and order limits. Clicking on the  *Hide* icon hides the sub-headings on the left side, such as “Process Parameters” and “Order Limits”.



Figure 169: Parameters Icons-Hidden

13.3.1 Process Parameters

Process Parameters

Hourly Contract Deadline

Start Date	Hour
07/01/2015 00:00	01:00

Block Contract Deadline

Start Date	Hour
07/01/2015 00:00	01:00

Objection Period

Start Date	Hour
07/01/2015 00:00	00:15

1st Collateral Check

Start Date	Control Hour
07/01/2015 00:00	11:05

2st Collateral Check

Start Date	Control Hour
07/01/2015 00:00	17:05

Objection Period After Contract Closure Time

Start Date	Hour
10/27/2023 00:00	00:05

Trading Day Start Time

Start Date	Start Time
11/02/2023 00:00	18:00

Figure 170: Parameters-Process Parameters

Hourly Contract Deadline: Indicates how long before the physical delivery in an hourly contract transaction can take place.

Block Contract Deadline: Indicates how long before the physical delivery in a block contract transaction can take place.⁶

Objection Period: Indicates the time frame within which an objection can be made after a matching occurs.

1st Collateral Check: Indicates the time for the first collateral check.

2nd Collateral Check: Indicates the time for the second collateral check.

Objection Period After Contract Closure Time: Indicates the time frame within which an objection can be made after the closure of a contract with a matching.

⁶ Block orders were abolished as of January 1, 2024. However, it is continued to display on this screen parametrically.

Trading Day Start Time: Indicates when contracts will open for the next delivery day.

13.3.2 Order Limits

Timed Order Limit

Start Date	Minute
<input type="text" value="01/01/2015 00:00"/>	<input type="text" value="5"/>

Minimum Block Order Period

Start Date	Hour
<input type="text" value="09/01/2022 00:00"/>	<input type="text" value="1"/>

Minimum Purchase Price Limit

Start Date	TL/MWh
<input type="text" value="07/01/2015 00:00"/>	<input type="text" value="0"/>

Minimum Purchase Quantity Limit

Start Date	Lot
<input type="text" value="07/01/2015 00:00"/>	<input type="text" value="1"/>

Minimum Sales Price Limit

Start Date	TL/MWh
<input type="text" value="07/01/2015 00:00"/>	<input type="text" value="0"/>

Minimum Sales Quantity Limit

Start Date	Lot
<input type="text" value="07/01/2015 00:00"/>	<input type="text" value="1"/>

OUN Warning Limit

Start Date	Value
<input type="text" value="10/04/2024 00:00"/>	<input type="text" value="9000"/>

OUN Threshold Limit

Start Date	Value
<input type="text" value="10/04/2024 00:00"/>	<input type="text" value="10000"/>

Minimum interval (minutes) during which time leveled orders will be active before contract closure

Start Date	Minute
<input type="text" value="07/01/2015 00:00"/>	<input type="text" value="5"/>

Number of Time Leveled Orders

Start Date	Value
<input type="text" value="07/01/2015 00:00"/>	<input type="text" value="5"/>

Number of Price Leveled Orders

Start Date	Value
<input type="text" value="07/01/2015 00:00"/>	<input type="text" value="5"/>

Maximum Total Quantity Limit

Start Date	Lot
<input type="text" value="07/01/2015 00:00"/>	<input type="text" value="200000"/>

OTR Warning Count

Start Date	Value
<input type="text" value="01/01/2020 00:00"/>	<input type="text" value="1"/>

Minimum Matching Notification Quantity Minimum Value

Start Date	Lot
<input type="text" value="09/01/2022 00:00"/>	<input type="text" value="50"/>

Hourly Total Matching Limit Minimum Value

Start Date	Lot
<input type="text" value="09/01/2022 00:00"/>	<input type="text" value="100"/>

Iceberg Minimum Level Quantity

Start Date	Lot
<input type="text" value="09/01/2022 00:00"/>	<input type="text" value="25"/>

Iceberg Maximum Level Quantity

Start Date	Lot
<input type="text" value="09/01/2022 00:00"/>	<input type="text" value="500"/>

Iceberg Maximum Total Quantity

Start Date	Lot
<input type="text" value="09/01/2022 00:00"/>	<input type="text" value="1000"/>

OTR Block Limit

Start Date	Value
<input type="text" value="10/21/2023 00:00"/>	<input type="text" value="1000"/>

OTR Warning Limit	
Start Date	Value
10/21/2023 00:00	900
Minimum Order Price Sensitivity	
Start Date	Turkish lira
11/02/2023 00:00	0.1
Maximum Sales Price Limit	
Start Date	TL/MWh
11/02/2023 00:00	2781
Maximum Purchase Price Limit	
Start Date	TL/MWh
11/02/2023 00:00	2781
Maximum Purchase Quantity Limit	
Start Date	Lot
11/02/2023 00:00	20000

Figure 171: Parameters-Order Limits

Timed Order Limit: This parameter indicates two cases. Firstly, shows the earliest time when a timed order will disappear. Secondly, shows how many minutes before the contract closure that a timed order can be made. As a result of saving a timed order in the order book, shows the earliest time when this order will disappear and how long before the closing of the contract time selection will be made.

Minimum Block Order Period: Indicates the minimum interval for entering a block order.⁷

Minimum Purchase Price Limit: Indicates the minimum price for a purchase order.

Minimum Purchase Quantity Limit: Indicates the minimum quantity for a purchase order.

Minimum Sales Price Limit: Indicates the minimum price for a sales order.

Minimum Sales Quantity Limit: Indicates the minimum quantity for a sales order.

Maximum Sales Quantity Limit: Indicates the maximum quantity for a sales order.

Minimum interval (minutes) to be active between time leveled orders: Indicates the minimum duration between each level of a time-leveled order.

Minimum interval (minutes) during which time leveled orders will be active before contract closure: Indicates how long before the closure of a contract the last level of a time-leveled order should be active.

Number of Time Leveled Orders: Indicates the maximum number of levels a time-leveled order can have.

⁷ Block orders were abolished as of January 1, 2024. However, it is continued to display on this screen parametrically. This field is displayed as 0 due to block orders have been abolished.

Number of Price Leveled Orders: Indicates the maximum number of levels a price-leveled order can have.

Maximum Total Quantity Limit: Indicates the total trade limits, including the hourly matchings and hourly unmatched orders.

OTR Warning Count: Specifies how many times a participant will be warned when the OTR value in a contract reaches the OTR Warning value.

Minimum Matching Notification Quantity Minimum Value: Indicates the minimum matching value for which a matching notification can be received.

Hourly Total Matching Limit Minimum Value: Indicates the minimum value for the quantity of matchings that will be sent to the organization as a notification for an hour of settlement.

Iceberg Minimum Level Quantity: Indicates the minimum level quantity that an iceberg order can take.

Iceberg Maximum Level Quantity: Indicates the maximum level quantity that an iceberg order can take.

Iceberg Maximum Total Quantity: Indicates the maximum quantity that can be given for an iceberg order.

OTR Block Limit: Indicates the maximum OTR value that can be seen before blocking due to OTR.

OTR Warning Limit: Indicates at what value in a contract a warning will be sent for OTR.

Minimum Order Price Sensitivity: Indicates the sensitivity to price when entering or updating an order

Maximum Sales Price Limit: Indicates the maximum price for a sales order.

Maximum Purchase Price Limit: Indicates the maximum price for a purchase order.

Maximum Purchase Quantity Limit: Indicates the maximum quantity for a purchase order.

OUN Restriction Limit: Indicates the maximum OUN value that can be seen before restriction begins.

OUN Warning Limit: Indicates at what value in a contract a warning will be sent for OUN.

14. INTRADAY MARKET AUTHORIZATION PROCEDURES

The process of authorization for Intraday Market to users within the organization is done at <https://ekys.epias.com.tr>. Authorization to users within the organization is defined only by the authorized user of the company (Admin user or users to whom the Admin user has delegated permissions). Authorization via EKYS screens, the following steps should be followed.

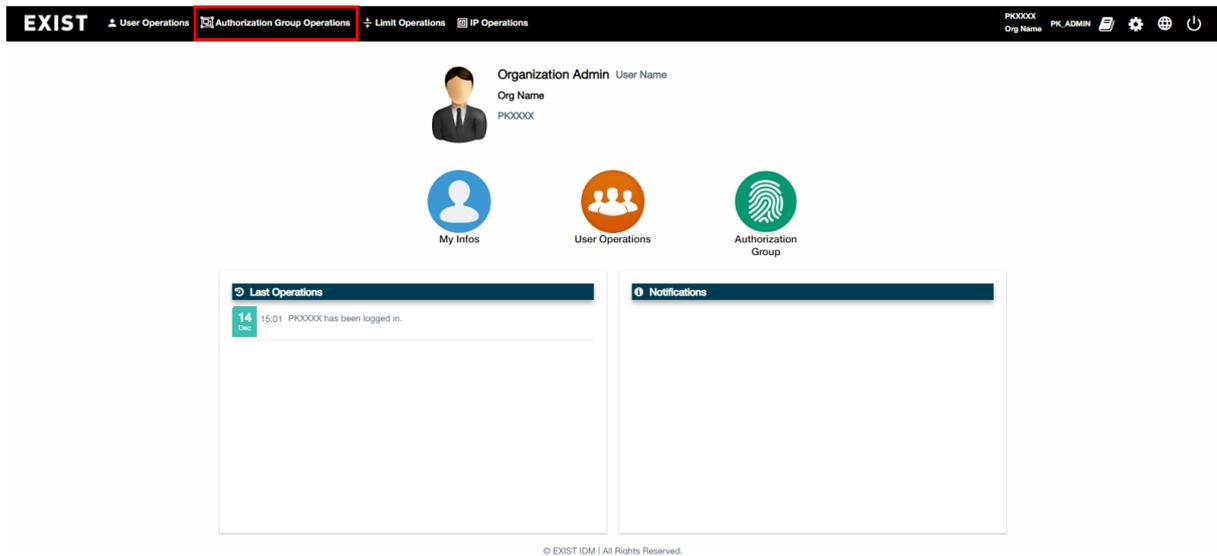


Figure 172: Authorization Group Operations

Log in to the EKYS screen, click on the "Authorization Group Operations" menu in the upper banner area of the main page, and select the submenu named "Authorizations and Groups".

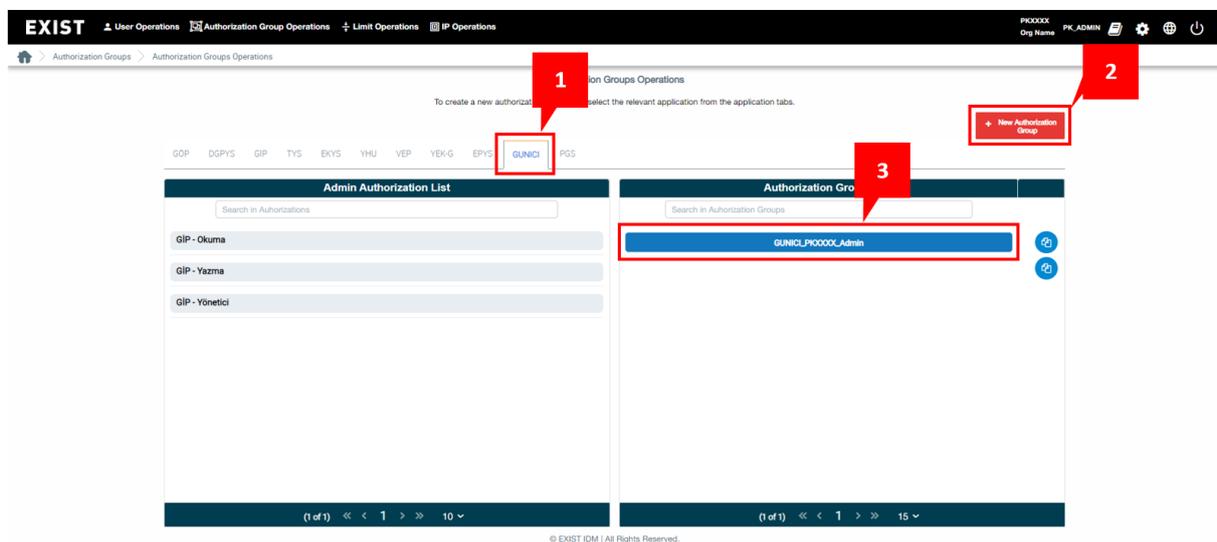


Figure 173: Authorization Groups

1. By selecting the "GUNICI" tab in this field, the authorization list is displayed. This area must be selected to grant Intraday Market authorizations.
2. Click on the Admin user can create a new authorization group and define the name of this group by clicking on the  icon. When clicking on this icon, the name of the authorization group and which application this authorization group will interact with are determined first. Then, follow the steps below.

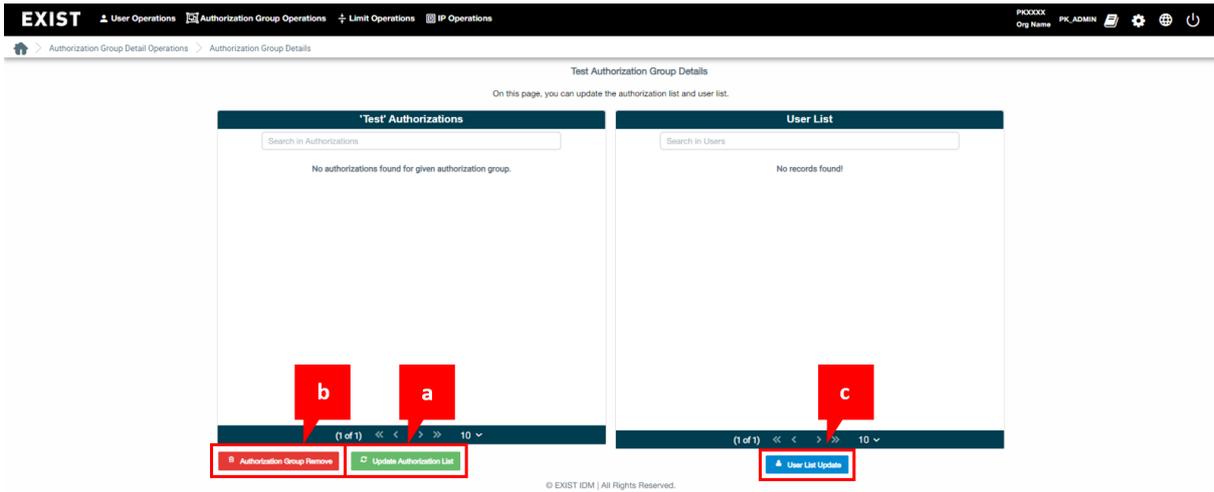


Figure 174: New Authorization Group Icon

- a. Update the authorization list with the  icon. Clicking on this icon will open the field below.

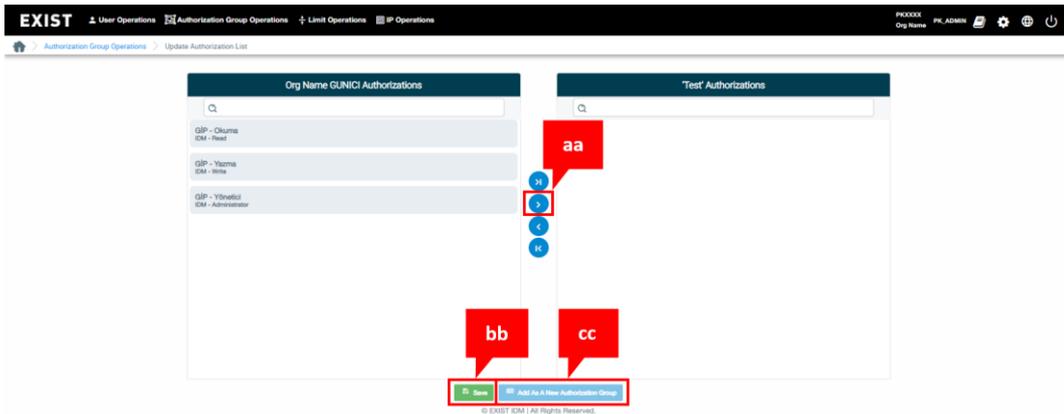


Figure 175: Update Authorization List Icon

- aa. By selecting authorizations from the left column, transfer them to the right column with the  icon.
- bb. Save the defined permissions with the  icon.
- cc. If you want to create another authorization group from an existing one, complete the saving process by clicking the  icon.
- b. Click on the  icon to delete the authorized authorization group.
- c. After saving the Update Authorization List, click on the  icon to open the field for individuals to be included in the authorization group.

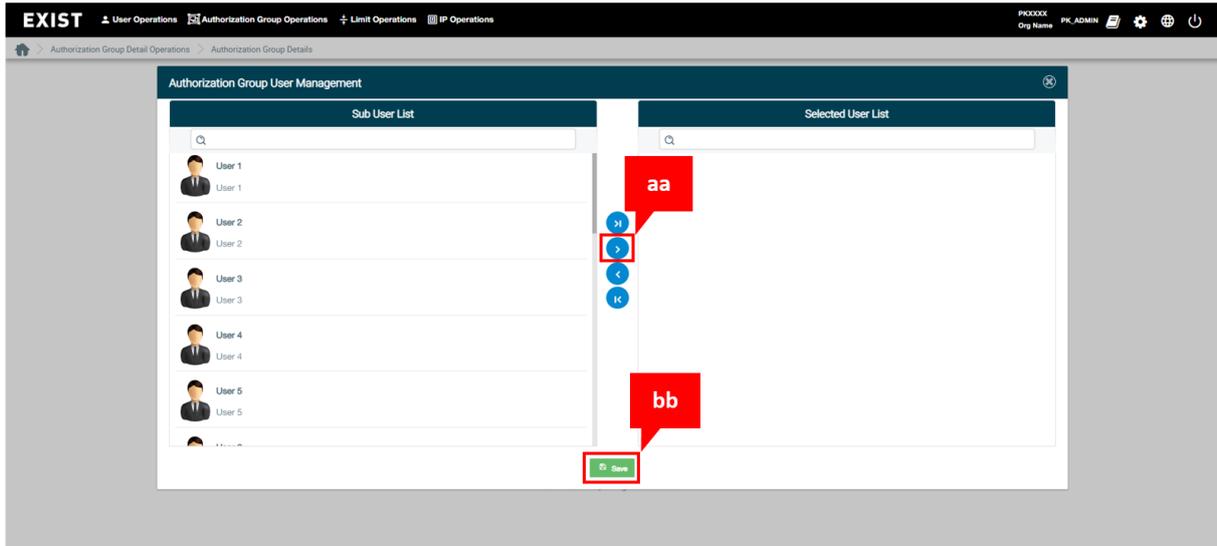


Figure 176: User List Update Icon

- aa. By selecting individuals from the user list in the left column of the screen, transfer them to the right column with the  icon.
- bb. After completing the assigned user list, click the  icon to save, and the authorization process is completed.

3. In this area, the details of the authorization group are displayed, and the person and authorization list are updated.

To learn the details of the information described in the second and third points, you can review the [çin https://ekys.epias.com.tr/idm/pages/preferences/userManuel.xhtml](https://ekys.epias.com.tr/idm/pages/preferences/userManuel.xhtml) document.

In the Intraday Market, the available authorizations are explained as follows:

IDM Read Authorization: Users with read authorization can only view screens, update their settings, and modify their limits. They cannot save or update orders and cannot object to a matching.

IDM Write Authorization: Users with trader authorization can view screens and update their settings and limits. They can save, update orders, and object to a matching.

IDM Administrator Authorization: Users with admin authorization, or admin, can perform all transactions related to the organization. They can request changes to organization limits, determine admin limits, set user-based limits, and establish their limits. They can save, update orders, and object to a matching.

15.MOBILE ORDER

The screenshot shows the EPIAS mobile application interface. At the top, there is a blue header with the EPIAS logo and navigation icons. Below the header, the page is titled "HOURLY" and includes a "Save Order" button. The main content is a table with the following columns: Contract, Bid Quantity, Prices (MCP and WAP), and Remaining Time. The table lists several contracts with their respective bid quantities and prices. Below the table, there is an "ORDER DEPTH" section with a dropdown menu and a "+" button. At the bottom, there are two buttons: "+ Save Order" and "Update Last Order".

Contract	Bid Quantity	Prices		Remaining Time
		MCP	WAP	
PH240717 17		131.89	1,450.00	50m
PH240717 18		136.06	1,620.00	1h 50m
PH240717 19		122.46	1,740.00	2h 50m
PH240717 20		126.83	126.83	3h 50m
PH240717 21		120.88	1,950.00	4h 50m
PH240717 22		125.42	1,450.00	5h 50m
PH240717 23		124.22		6h 50m
PH240717 16		129.30	1,500.00	Closed
PH240717 15		141.37	1,167.39	Closed

Figure 177: Main Page - Mobile Device View

"Mobile Order Entry" has been added to the Intraday Market screens, which is active when logged in via mobile devices.



Figure 178: Mobile Order Saving - Update Buttons

It is the new order saving button. When the  icon is clicked, a pop-up opens. In the pop-up that opens, the area where "Region", "Order Type" and "Collateral Status" information

will be displayed will open. "Order Side", "Contract", "Price", "Quantity" and "Option" selections are made in the same field. "Description" information can be filled in and the order can be entered.

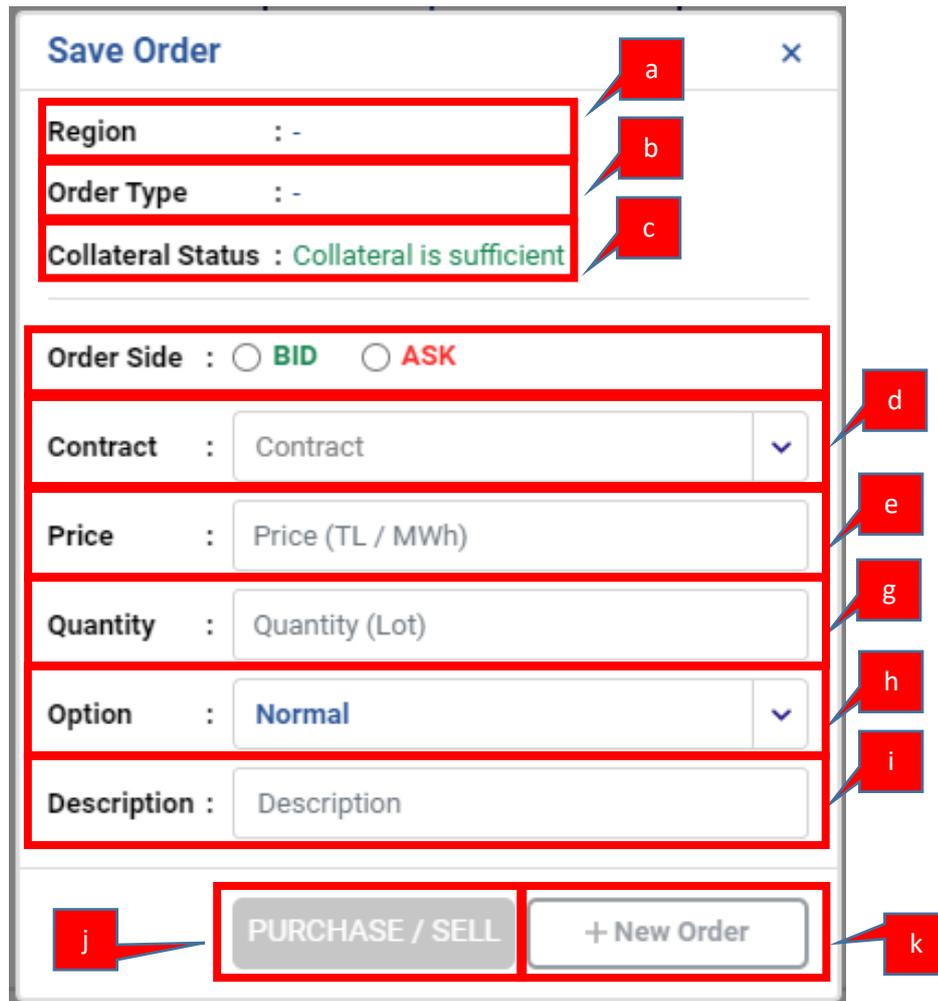


Figure 179: Mobile Order Saving Screen

- a. Region information is displayed. It is automatically filled when the contract is selected.
- b. Order Type information is displayed. It is automatically filled when the contract is selected.
- c. Coverage Status information is displayed. The pop-up is automatically filled when opened.
- d. This is the area where the side of the order to be recorded is determined.
- e. This is the field where the contract in which the order will be recorded is selected.
- f. This is the area where the price of the order is determined. Entry must be made in TL/MWh.
- g. This is the field where the amount of the order is determined. Entry must be made in lot.
- h. This is the field where the option of the order is determined. "Normal", "FOK", "IOC", "Passive", "Timed", "Iceberg", "Price Level" and "Time Level" options can be selected. According to the requirements of the selected option, a new section will be opened under the "Description" field and entries must be made according to the desired values of the desired option.
- i. This is the description field for the order that the user will save.
- j. The "PURCHASE/SELL" icon will be "PURCHASE" if the ordering side is selected, and "SELL" if the ordering side is selected. When this icon is clicked, a pop-up appears informing you that the order will be saved.

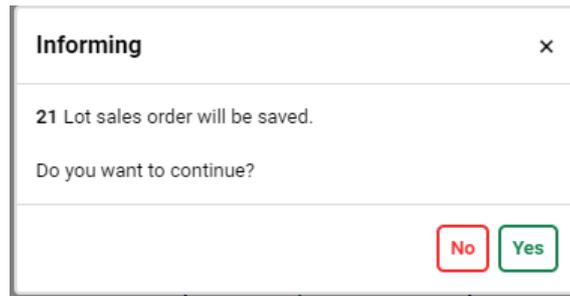


Figure 180: Mobile Order Saving Information Pop-up

When you click on the  icon or icon in the relevant pop-up, the pop-up is closed and you are returned to the order entry screen. When the  icon is clicked, the order is saved.

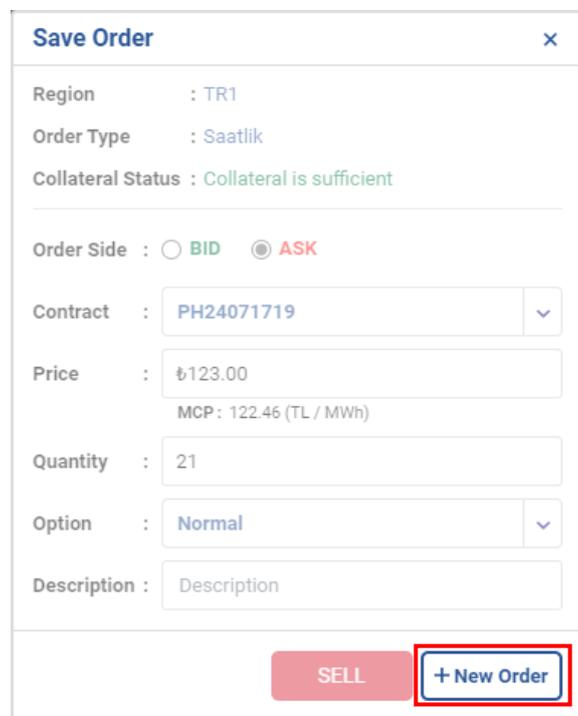


Figure 181: Mobile Order Saving shows the Latest Order Information Screen

After the order is saved, the order save pop-up continues to appear with the information of the saved order. The user can check the information of the saved order on this screen.

- k. When the  icon is clicked on this screen, the filled cells are reset and a new order saving pop-up opens. Clicking on the  icon at the top right will close the pop-up.

This is the button to update the last order entered. When the  icon is clicked, a pop-up to update the last order entered opens. If the option of the last order entered is not suitable for updating, if it is an order with Price Level, Time Level, IOC or FOK option, when this icon is clicked, a pop-up informing you that the order cannot be updated opens and the icon becomes inactive.

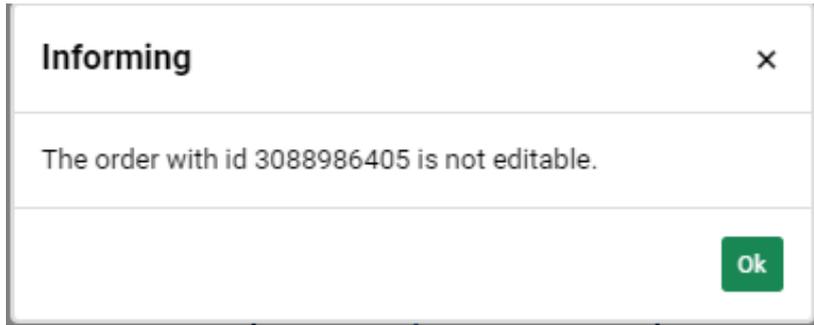


Figure 182: Mobile Order Update Notification Pop-up

If the order can be updated, the order update pop-up opens with the information of the entered order.

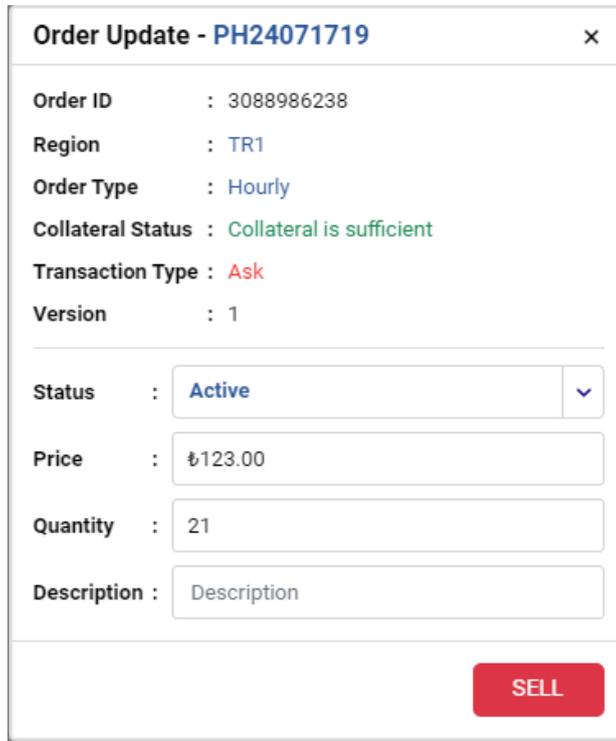


Figure 183: Mobile Order Update Screen

In the pop-up that opens, the price, quantity and description information of the order can be updated, the order can be inactive or cancelled. When the status cell is clicked, Active, Passive and Cancel options are displayed. The desired selection can be made here. When you click on the icon for purchase orders and sales orders, the changes made are saved. By clicking on the icon at the top right, the changes are canceled and the order update pop-up is closed.

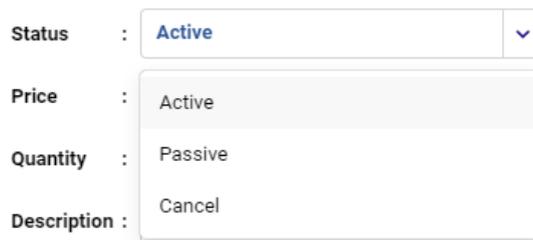


Figure 184: Mobile Order Update - Status Update Screen

16. VERSION HISTORY

Version No	Date	Action
Version 1	25.12.2023	<ul style="list-style-type: none"> • First Release of the IDM 2.0 User Guide
Version 2	29.03.2024	<ul style="list-style-type: none"> • Addition of Information Pop-Up to the Maximum Bid/Ask Order Price in the Limits Area • Making the chart collaborative in the order depth field
Version 3	31.05.2024	<ul style="list-style-type: none"> • Adding the Wrong Demand Status to the Objections section
Version 4	09.08.2024	<ul style="list-style-type: none"> • Mobile Order Entry • Matching Status Detail
Version 5	15.11.2024	<ul style="list-style-type: none"> • Adding the OUN Screens