

# SEMOPx Auctions Training

Version 4.2  
2022



# SEMOpX

## Auctions Training

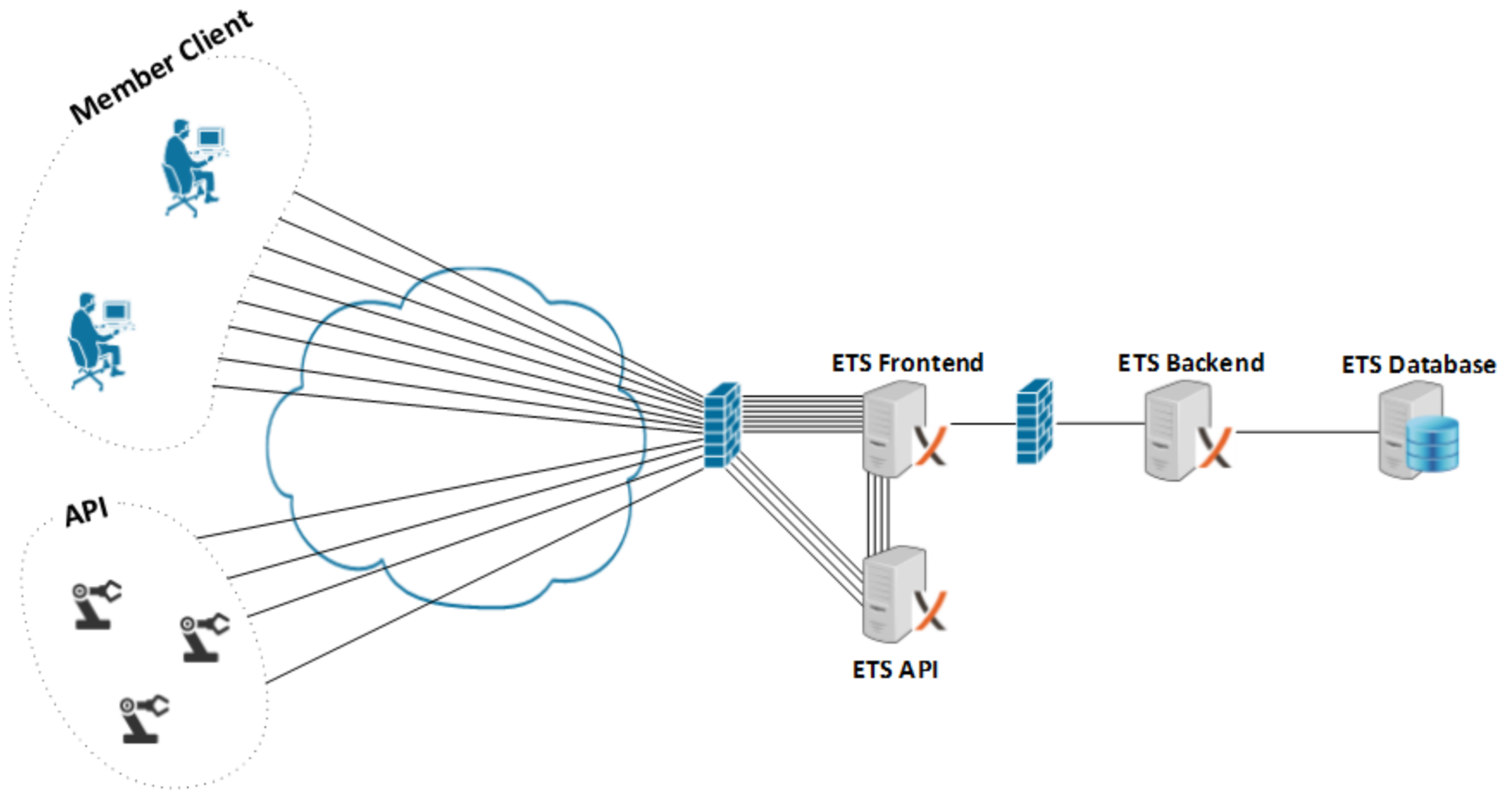
### Agenda

1. ETS - General overview
2. ETS - Installation and technical requirements
3. ETS - API overview
4. ETS - Connection and security
5. ETS - Trading Functionalities
6. ETS - Trading on behalf forms (ToB)
7. ETS – Reporting capabilities

# 1 General Overview - *Market overview*

- **EPEX Trading System (ETS)** for Day-ahead auction and Intraday auctions
- **Portfolio will be set up and will correspond to the Unit ID**
  - Used to submit orders
  - Retrieved in the result files

# General overview - *Technical overview - ETS*



## 2 Installation and Technical requirements

### ETS - Overview of ETS Trading System

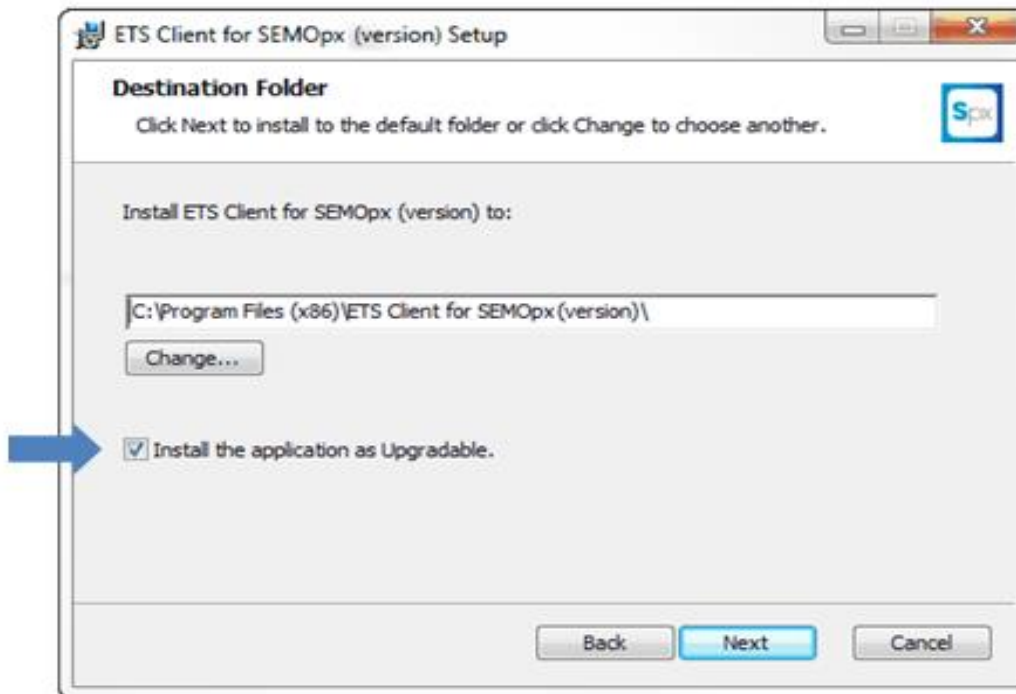
- FAT Client, executable to be installed on the PC
- Two types of clients are available with two difference installation modes:
  - Upgradable per default 'install the application as Upgradable' is ticked.
  - Fixed: when there is a new version of the client, the participant will have to manually perform the upgrade.

## ETS Installation recommendation – Upgradable version

The Upgradable Client is a full client, containing all program logic needed to perform trader actions. The Upgradable Client is able to update to the latest program logic and will automatically update itself to the latest version when such code becomes available.

This ensures the client software is always up to date without the need to manually download and install the newest version.

Please be informed that the upgradable client installation is ticked by default. In order to install the fixed version, the following option needs to be un-ticked during the installation process.



Please note that it is not possible to install both the Fixed and the Upgradable versions at the same time on the same machine.

# ETS - *Minimum technical requirements for ETS client*

## **Recommended system requirements for the client computer:**

- Intel Dual Core or equivalent processor,
- 2048 MB internal memory,
- 100 Mb of free Hard Disk space.
- Each upgradable client version collected from the exchange server is locally stored, requiring approximately an additional 15Mb per version.

## **Supported operating systems:**

- Windows7 Professional or Ultimate, latest service pack
- Windows8 Professional or Enterprise, latest service pack
- Windows10 Pro or Enterprise, latest service pack
- MS Excel 2010, 2013
- Please note that MS Excel Viewer is not supported.

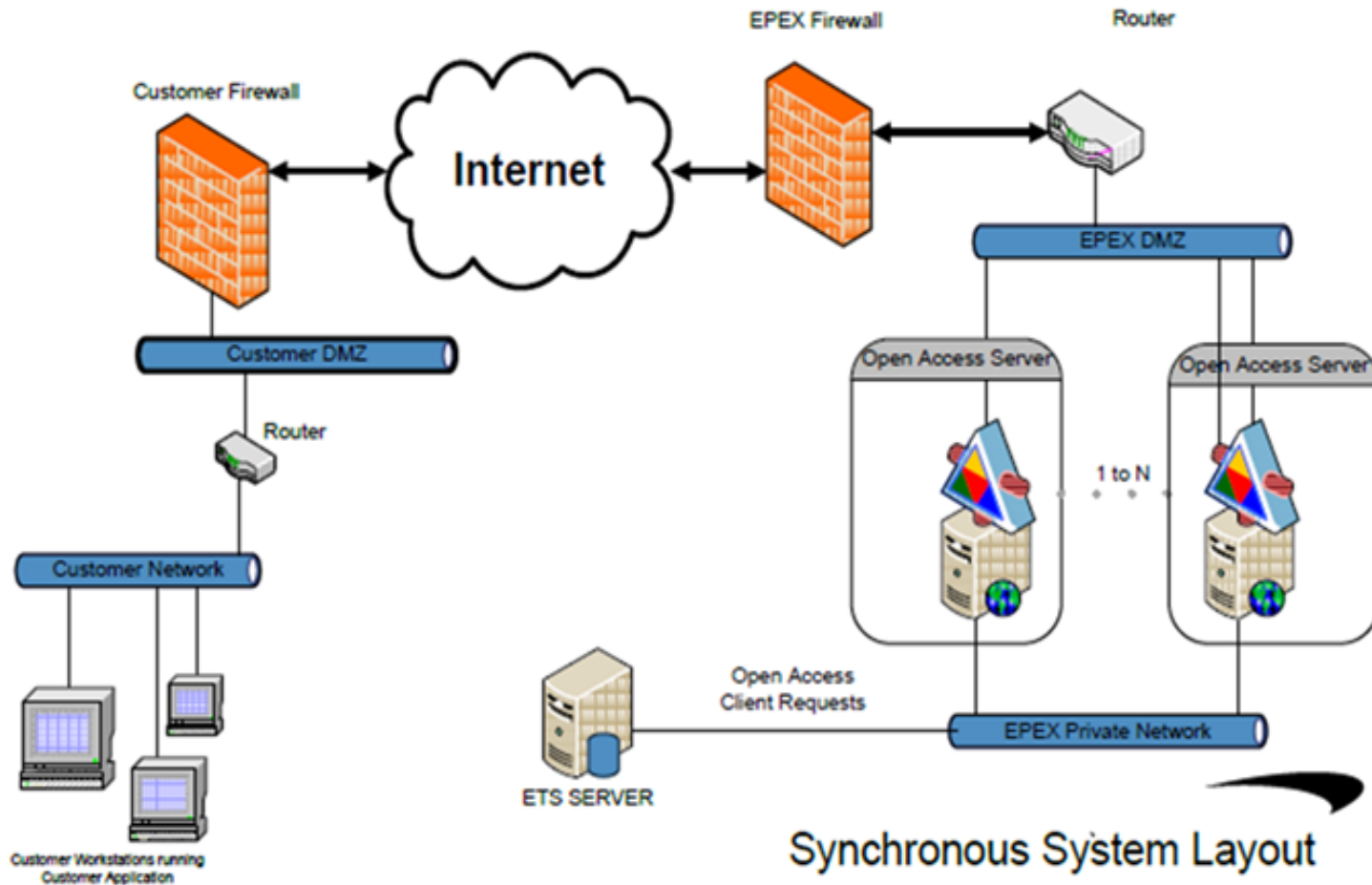
## **Network settings:**

- EPEX Spot Trader Client requires a stable Internet connection.
- Recommended minimum connection speed is 256Kbit/s or better.
- All traffic is TLS encrypted.

## **Proxy support**

- The EPEX Spot Trader Client does support connecting to an exchange using HTTP CONNECT proxy servers.

# 3 API Overview - ETS API





# ETS API

- Is a Soap Web services
- Is secured using 2 ways authentication (TLS 1.2 + Server and Client certificate)
- Require a User and password to connect
- Allow Synchronous request like
  - Send order
  - Update order
  - Delete order
  - Retrieve order
  - Retrieve Market Results

## 4 Connection and Security - *Starting the ETS the first time*

Before a connection can be made to the servers, the Network Settings need to be defined.

After installation, the default Server Address and Server Port require modification into the settings provided by the exchange. For more information, please see latest release [here](#).

Enter the network details (server address, port and gateway):

The screenshot shows a web-based configuration interface titled "Network Settings [Global Settings]". It is divided into several sections:

- Server:** Contains fields for "Server Address" (ets.epexspot.com) and "Server Port" (443). A checkbox "Use Secure Connection" is checked.
- Proxy:** Contains a checkbox "Use Http Connect Proxy" which is unchecked. Below it are fields for "Proxy Server Address" (your proxy server here), "Proxy Server Port" (80), and "Proxy Server User (optional)".
- Gateway:** Contains a checkbox "Use Gateway" which is checked. Below it are fields for "Gateway Server Address" (ets.svpx.epexspot.com) and "Gateway Server Port" (443).
- Force Logout:** Contains two numeric input fields: "Force Logout Limit" (60) and "Force Logout Retry Limit" (60).

At the bottom right of the form are "Reset" and "Update" buttons. At the bottom center, it says "Not connected" with a status icon.

# ETS Secure connection

## **Default secure connection**

The Trader Client connects using TLS 1.2 with the Exchange server. Default this is set to enabled.

## **Proxy connection**

The Trader Client can connect over a proxy server that needs authentication and supports the use of HTTP CONNECT proxy.

The authentication protocol that is supported is the 'http basic authentication' standard, no other authentication protocols are currently implemented.

More technically: The proxy protocol used is the 'http CONNECT tunnel' standard.

When the Trader Client connects to the proxy server it will pop-up a dialog box that requests the user name and password for proxy server access.

It is possible to fill in the user name in the ETS trade client settings panel, so that the proxy user name does not need to be typed into the dialog every time a trader logs in.

In order to activate HTTP CONNECT Proxy Settings, enable the corresponding checkbox in the Global Settings.

## **Limit the IP address**

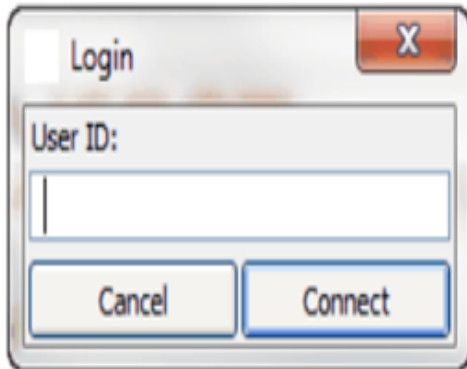
Upon request, the exchange can restrict the connection to specific IP addressed.

## **Firewall configuration**

If your firewall implements packet inspection, you may need to disable this functionality for ETS. Some packet inspection system don't support the ETS implementation of TLS 1.2.

## ETS - Users and passwords

- **User IDs (logins) and passwords are not linked to traders.** A User ID can be shared among several traders of a company (but not at the same time). It is the company's responsibility to decide if the password of a User ID can be shared among several traders or if a User ID is to be used only by one of them.
- Initial passwords are valid 7 days and they must be changed in order to extend their validity to 3 months.
- There is a specific login for the **production** environment and another one for the **simulation** environment.

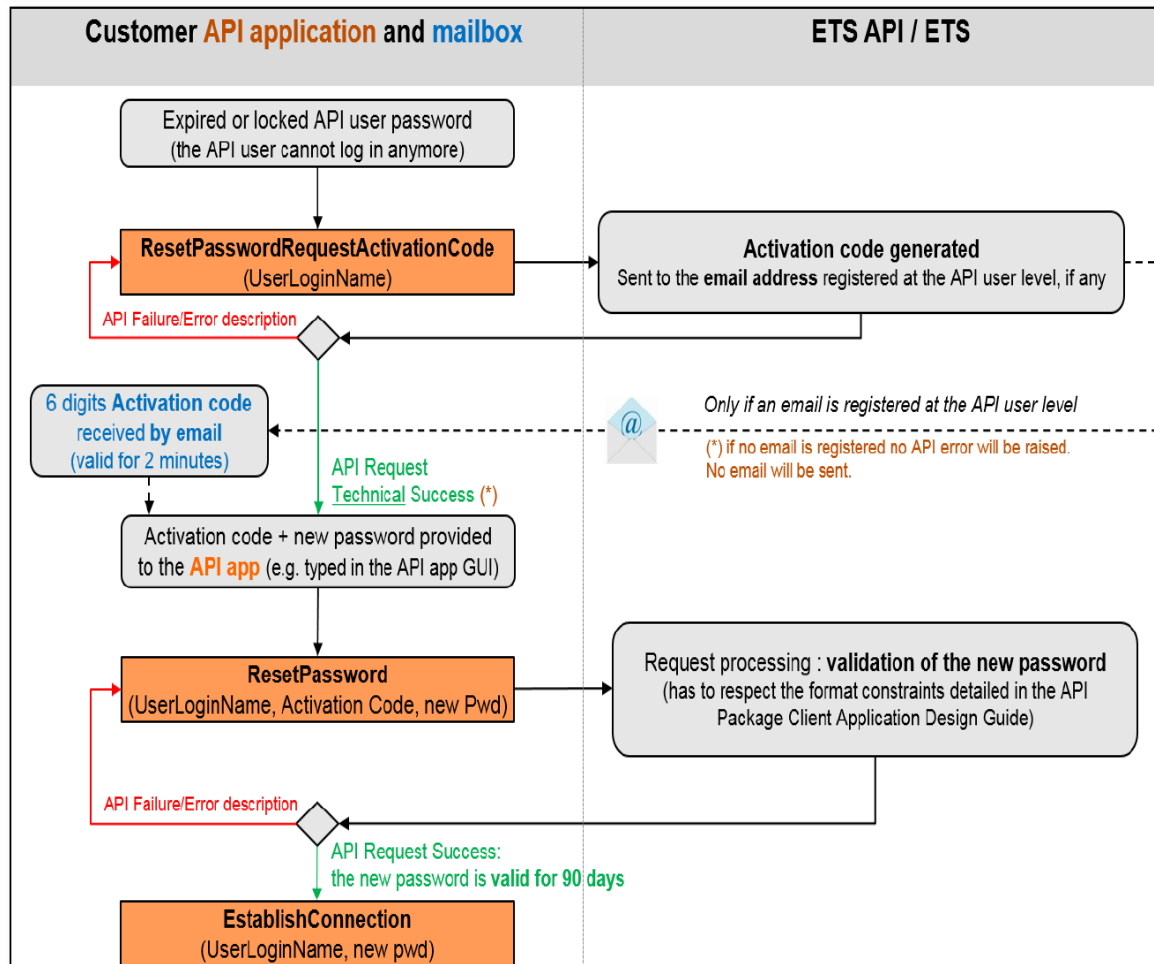


Be aware that you have a maximum of three attempts to enter a correct password.

After the third invalid attempt, your User ID will be blocked from access until the exchange operator resets your User ID.

Upon written request (email), the exchange can either reset the tries left (so the current password remains valid) or provide a new password by email. The request should come only from an authorized trader.

# ETS – Password reset



Users are also able to change forgotten, expired or locked passwords through the client. From the main welcome screen, select 'change password' feature and user will get a validation code via email to enter the new password.

Users can then handle their password reset autonomously without contacting SEMOpX Market Operations. In order to activate this functionality, please make sure to provide Market Operations with the email address(es) to be associated with your respective ETS user(s).

# ETS Connection to the upgradable client

Once you enter your User ID, click on the Connect button or press ENTER.

The Upgradable Client will perform a version check.

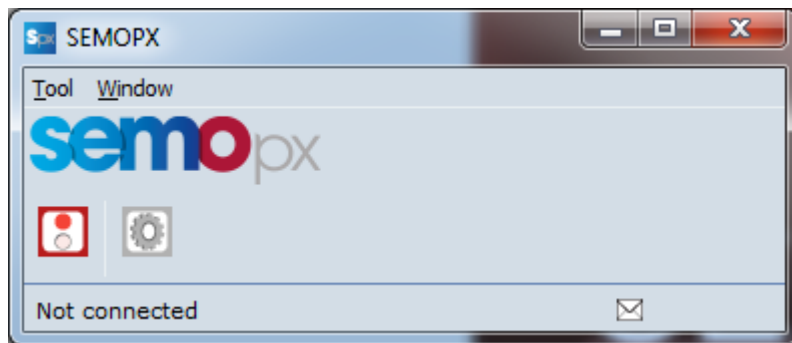
One of two things can happen, depending on the availability of newer versions:

Option 1:

If no newer version is detected, the login sequence will proceed after which the Main Tool will be presented.

Option 2:

If a newer version is detected, the newer version is automatically fetched from the exchange server. This is indicated with the 'Fetching update for' message.



The newest version will be downloaded automatically, and installed. Depending on the internet speed and size of the download, this process can take a short while.

This procedure requires a restart of the Upgradable Client once to execute the update, for which you will be prompted in a dialog.

# 5 ETS Trading Functionalities - Topics

- **General**
  - Welcome screen
  - ETS General Settings
  - ETS Trader Client Settings
- **ETS Market Global View**
- **Order management**
  - Enter linear (stepwise) order
  - Enter linear orders for several days at a time
  - Modify order and check for differences
  - Cancel Linear Order
  - Enter Complex Order
  - Modify Complex Order
  - Cancel Complex Order
- **Define Reasonable Control Parameters**
- **Check Trading Limits**

# ETS Welcome Screen

The Trader Client is the trading interface screen of the exchange environment. The Trader Client displays the modules that are available to the user that is logged in.



From left to right, the launcher above displays the (Dis)Connect, Global View, Client Message Book, Financial Book, Settings and Change Password icons.

The connection state bar at the bottom of the launcher indicates you are logged in and to which server-environment.

The clock to the right displays the exchange server time, modified to your local time setting. This clock will not necessarily be identical to the time of your local computer. The clock settings can be configured in the Time Zone settings.



# ETS General Settings



The Settings Book is the screen where you can define custom display and behaviour settings.

The screenshot shows the 'Modules Settings [Settings]' window. The title bar reads 'Modules Settings [Settings]'. The menu bar includes 'File', 'Format', 'Window', and 'Help'. The main area is divided into several sections:

- Global Settings:** Includes 'Global Settings', 'Modules Settings', 'Block Definitions', and 'Reasonable Control Parameters' tabs.
- Module Settings:** A table with columns for 'Name' and 'Financial'. The 'Name' column has a dropdown menu set to 'All'. Below this, 'SEMOPX' and 'Financial' are listed.
- SEMOPX | General:** Includes sub-tabs for 'Visual', 'General', 'Market Global View', and 'Market Results'.
- Market Global View:** Includes dropdown menus for 'Preferred Market Area' (set to 'None'), 'Preferred Area' (set to 'None'), 'Preferred Portfolio' (set to 'None'), and 'Preferred Date Type' (set to 'Auction Day').
- Order Entry Screens Closure:** Includes three checkboxes: 'Close Linear Order Entry screen automatically after submission', 'Close Block Order Entry screen automatically after submission', and 'Close Complex Order Entry screen automatically after submission'. All are currently unchecked.
- Confirmation:** Includes three checkboxes: 'Show confirmation dialog before Linear Order submission', 'Show confirmation dialog before Block Order submission', and 'Show confirmation dialog if not submitting order for next auction'. All are currently unchecked.
- Linear Order Entry Screens Updates:** Includes three radio buttons: 'Update silently when more recent portfolio version is available', 'Warn when more recent portfolio version is available' (selected), and 'When more recent portfolio version is available ignore it and keep current version'.
- Complex Order Entry Screens Updates:** Includes three radio buttons: 'Update silently when more recent portfolio version is available', 'Warn when more recent portfolio version is available' (selected), and 'When more recent portfolio version is available ignore it and keep current version'.
- Auction:** A table with columns 'Area Set', 'Auction', and 'Should Popup'.

Area Set	Auction	Should Popup
SEM-DA	PWR-MRC-D-1	<input checked="" type="checkbox"/>
SEM-IDA1	Pwr-SEM-GB-D-1	<input checked="" type="checkbox"/>
SEM-IDA2	Pwr-SEM-GB-D	<input checked="" type="checkbox"/>
SEM-IDA3	Pwr-SEM-D	<input checked="" type="checkbox"/>
- Indexes:** Includes a 'Preferred' column with checkboxes for 'SEM-DA', 'SEM-IDA1', 'SEM-IDA2', and 'SEM-IDA3'. Below this is a 'Currency' dropdown (set to 'None') and a 'Duration' dropdown (set to 'None'). A 'Set Preferred' button is at the bottom right.

# ETS Market Global View

The Market Global View is the main trading interface.

In the upper pane of this screen a user has overview of outstanding bids, and can access bid submission screens.

In the lower pane, under Messages: an overview is given of bid submissions and other bid status change messages, as well as the titles of operator messages.

Red coloured messages indicate important information, such as Password expiry, Market Result cancellation and the reception of an exchange message.

SEMOPX  
Tool Window  
semopx  
Global View  
TCOMAZE-U01@uat2.ets2.epex.spot:443

Market Global View - Factory View [Epex Trading System]

Day Type  
Auction Day

Deliveries Day	Area	PartID	Auction Date Time	Order Book Status	Duration	Currency	Linear	Last Update Time	Block	Last Update Time	Complex	Last Update Time
22/07/2017	NI-SONI-DA	PART-TS01	SEMO-DA-12.00 2017-07-21-12:00	OBK Closed	60 min	GBP	none	none	none	none	none	none
22/07/2017	NI-SONI-DA	PART-TS02	SEMO-DA-12.00 2017-07-21-12:00	OBK Closed	60 min	GBP	none	none	none	none	none	none
22/07/2017	NI-SONI-IDA1	PART-TS01	SEMO-IDA1-16.30 2017-07-21-16:30	OBK Open	30 min	GBP	none	none	none	none	none	none
22/07/2017	NI-SONI-IDA1	PART-TS02	SEMO-IDA1-16.30 2017-07-21-16:30	OBK Open	30 min	GBP	none	none	none	none	none	none
21/07/2017	NI-SONI-IDA2	PART-TS01	SEMO-IDA2-09.00 2017-07-21-09:00	OBK Closed	30 min	GBP	none	none	none	none	none	none
21/07/2017	NI-SONI-IDA2	PART-TS02	SEMO-IDA2-09.00 2017-07-21-09:00	OBK Closed	30 min	GBP	none	none	none	none	none	none
21/07/2017	NI-SONI-IDA3	PART-TS01	SEMO-IDA3-15.00 2017-07-21-15:00	OBK Closed	30 min	GBP	none	none	none	none	none	none
21/07/2017	NI-SONI-IDA3	PART-TS02	SEMO-IDA3-15.00 2017-07-21-15:00	OBK Closed	30 min	GBP	none	none	none	none	none	none
22/07/2017	RO-EIRGRID-DA	PART-TS01	SEMO-DA-12.00 2017-07-21-12:00	OBK Closed	60 min	EUR	none	none	none	none	none	none
22/07/2017	RO-EIRGRID-DA	PART-TS02	SEMO-DA-12.00 2017-07-21-12:00	OBK Closed	60 min	EUR	none	none	none	none	none	none
22/07/2017	RO-EIRGRID-IDA1	PART-TS01	SEMO-IDA1-16.30 2017-07-21-16:30	OBK Open	30 min	EUR	none	none	none	none	none	none
22/07/2017	RO-EIRGRID-IDA1	PART-TS02	SEMO-IDA1-16.30 2017-07-21-16:30	OBK Open	30 min	EUR	none	none	none	none	none	none
21/07/2017	RO-EIRGRID-IDA2	PART-TS01	SEMO-IDA2-09.00 2017-07-21-09:00	OBK Closed	30 min	EUR	none	none	none	none	none	none
21/07/2017	RO-EIRGRID-IDA2	PART-TS02	SEMO-IDA2-09.00 2017-07-21-09:00	OBK Closed	30 min	EUR	none	none	none	none	none	none
21/07/2017	RO-EIRGRID-IDA3	PART-TS01	SEMO-IDA3-15.00 2017-07-21-15:00	OBK Closed	30 min	EUR	none	none	none	none	none	none
21/07/2017	RO-EIRGRID-IDA3	PART-TS02	SEMO-IDA3-15.00 2017-07-21-15:00	OBK Closed	30 min	EUR	none	none	none	none	none	none

Messages:

Time	Title
21 July 2017 14:51:52	Cancelled Block Bid(s) PART-TS01 / NI-SONI-IDA1 / 30 min / 2017-07-22-14:30
21 July 2017 14:49:44	Submitted Block Bid(s) PART-TS01 / NI-SONI-IDA1 / 30 min / 2017-07-22-14:30
21 July 2017 14:44:54	Cancelled LinearOrder PART-TS01 / NI-SONI-DA / 60 min / 2017-07-22-10:00
21 July 2017 14:44:39	Submitted LinearOrder PART-TS01 / NI-SONI-DA / 60 min / 2017-07-22-10:00
21 July 2017 14:43:49	Submitted LinearOrder PART-TS01 / NI-SONI-DA / 60 min / 2017-07-28-10:00
21 July 2017 14:43:49	Submitted LinearOrder PART-TS01 / NI-SONI-DA / 60 min / 2017-07-22-10:00

SEMOPX  
Global View  
TCOMAZE-U01@uat2.ets2.epex.spot:443

Logs of your actions + all market messages received in ETS from the Exchange Market Operations

TRADER500@ep-wets407:4443 15:17:22

# Order Descriptions

## Linear order description

A linear order is a set of linear curves. A linear curve is a set of (price, quantity) combinations defined for a (period, area) combination. For each of these periods, the linear order is related to a curve which defines for each price between the minimum price ( $P_{min}$ ) and maximum price ( $P_{max}$ ) of the market willingness to buy or sell a certain amount.

- the price is defined in settlement currency
- $P_{min}$  and  $P_{max}$  are specific to the area for which the order is submitted

## Stepwise linear orders

Definition: A stepwise order is defined by  $n$  (price, quantity) couples between the minimum price ( $P_{min}$ ) and the maximum price ( $P_{max}$ ):  $[(P_{min}, Q_1), \dots, (P_{max}, Q_n)]$

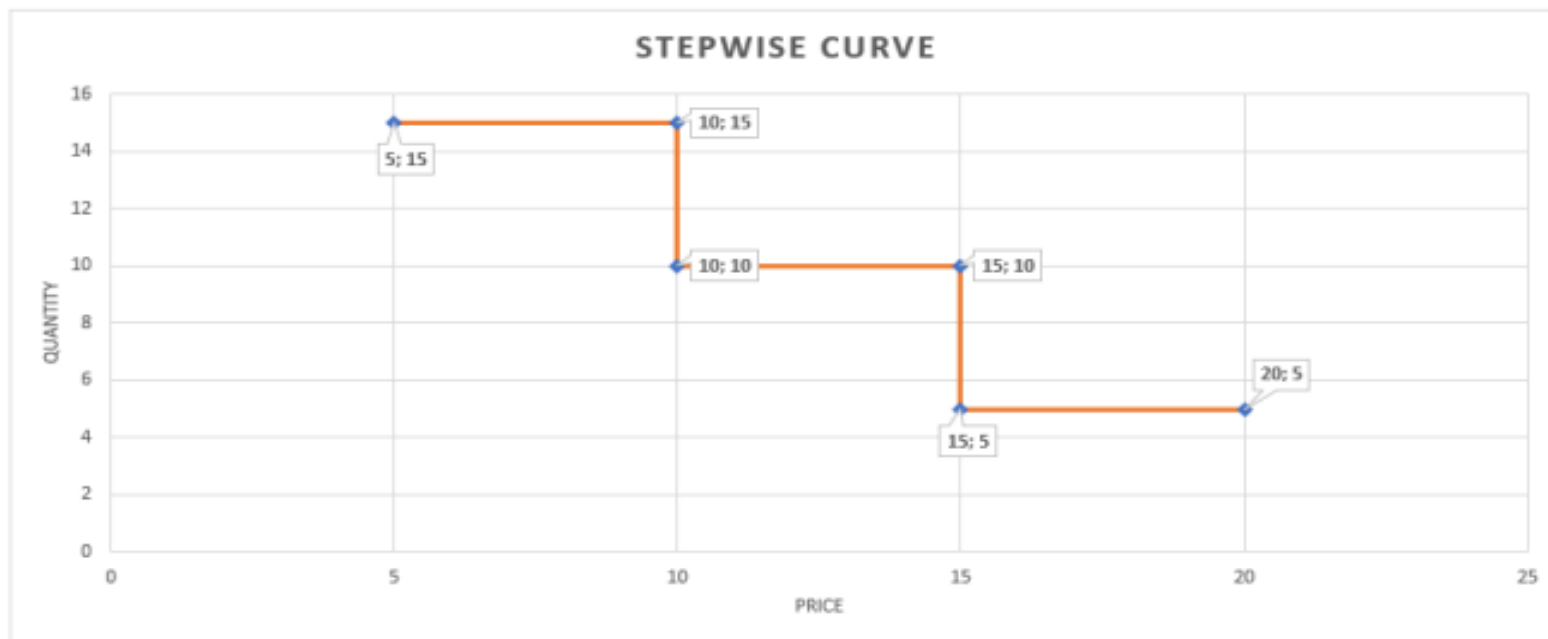
- For any couple  $(P_i, Q_i), (P_{i+1}, Q_{i+1})$  within this list we have either: o  $P_i < P_{i+1}$  and  $Q_i = Q_{i+1}$  or o  $P_i = P_{i+1}$  and  $Q_i > Q_{i+1}$  excluding  $P_{min}, P_{max}$  Purchase quantities are indicated with positive values ( $Q > 0$ ). Sale quantities are indicated with negative values ( $Q < 0$ ).

# Stepwise Orders

## Illustration

The below example illustrates the stepwise curve for an Area = X, Portfolio = P1, and Period = 1:

<b>PRICE</b>	5	10	10	15	15	20
<b>QUANTITY</b>	15	15	10	10	5	5



# Stepwise linear order submission

No errors

Order - 60 min

Submit Several Delivery Days

User Comment

Comment	Period (cet/cest)	-500.0	10.0	10.0	20.0	20.0	4,000.0
	00 - 01	15.0	15.0	10.0	10.0	0.0	0.0
	01 - 02	20.0	20.0	15.0	15.0	5.0	5.0
	02 - 03						
	03 - 04						
	04 - 05						
	05 - 06						
	06 - 07						
	07 - 08						
	08 - 09						
	09 - 10						
	10 - 11						
	11 - 12						
	12 - 13						
	13 - 14						
	14 - 15						
	15 - 16						
	16 - 17						
	17 - 18						
	18 - 19						
	19 - 20						
	20 - 21						
	21 - 22						
	22 - 23						
	23 - 00						
	Sum	35.0	35.0	25.0	25.0	5.0	5.0

Buttons: Add Prices, Modify Price, Remove Price, Copy Line, Paste Line, Replicate To All, Adjust to Price Limit, Close, Submit

**No errors**

Order - 10000002674803 - 60 min Order submitted and Order id generated

Submit Several Delivery Days

User Comment

Comment	Period [cet/cest]	-500.0	10.0	10.0	20.0	20.0	4,000.0	
	00 - 01	15.0	15.0	10.0	10.0	0.0	0.0	
	01 - 02	20.0	20.0	15.0	15.0	5.0	5.0	
	02 - 03							
	03 - 04							
	04 - 05							
	05 - 06							
	06 - 07							
	07 - 08							
	08 - 09							
	09 - 10							
	10 - 11							
	11 - 12							
	12 - 13							
	13 - 14							
	14 - 15							
	15 - 16							
	16 - 17							
	17 - 18							
	18 - 19							
	19 - 20							
	20 - 21							
	21 - 22							
	22 - 23							
	23 - 00							
	Sum	35.0	35.0	25.0	25.0	5.0	5.0	

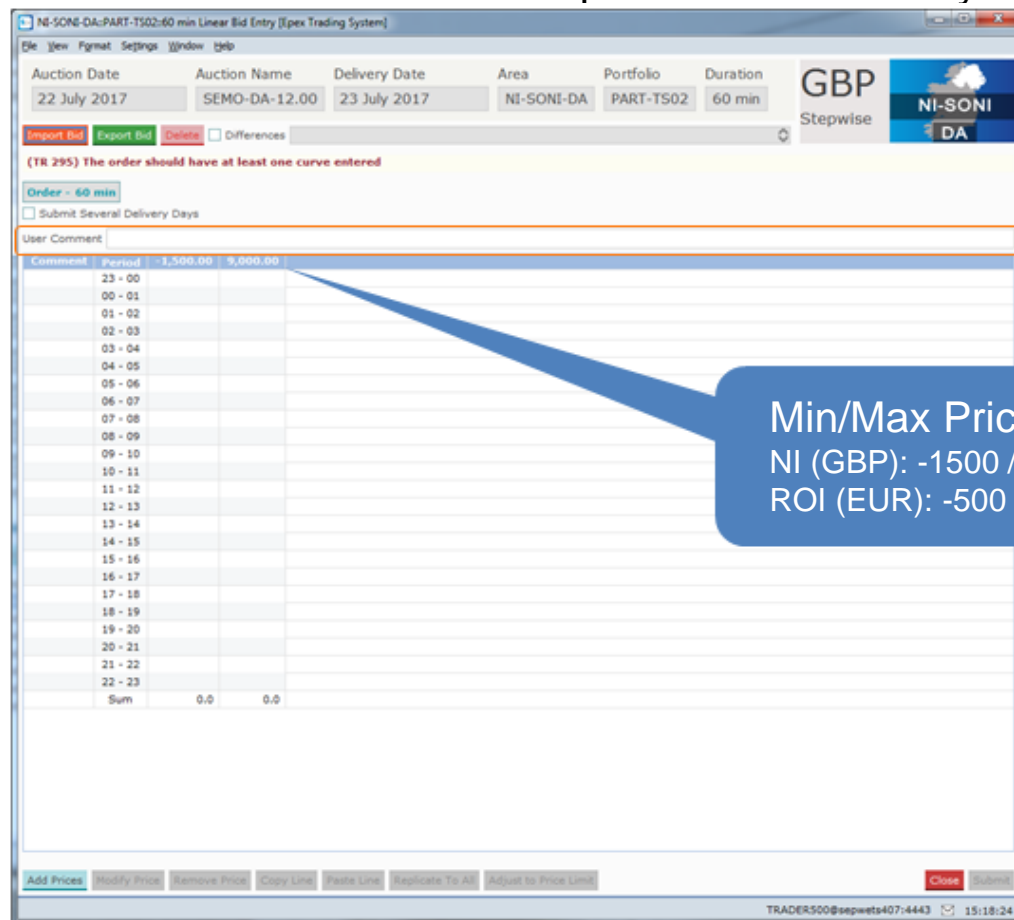
## ETS API

The ETS API enables to handle linear orders (stepwise): submit, modify, retrieve, or cancel orders. Please contact SEMOpX market operation or check the ETS API package for further information.

# Enter linear (Stepwise order)

The Linear Bid Entry screen can be accessed via Market Global View under the double-click mouse action or Show Linear button of the Market Global View screen.

Alternatively, double-click the “Linear” or “Linear last update time” field if you wish to open a Linear Bid screen.



NI-SONI-DA-PART-TS02:60 min Linear Bid Entry (IpeX Trading System)

Auction Date: 22 July 2017    Auction Name: SEMO-DA-12.00    Delivery Date: 23 July 2017    Area: NI-SONI-DA    Portfolio: PART-TS02    Duration: 60 min    GBP    NI-SONI    DA

Stepwise

Import Bid    Export Bid    Delete    Differences

(TR 295) The order should have at least one curve entered

Order - 60 min

Submit Several Delivery Days

User Comment

Comment	Period	-1,500.00	9,900.00
	23 - 00		
	00 - 01		
	01 - 02		
	02 - 03		
	03 - 04		
	04 - 05		
	05 - 06		
	06 - 07		
	07 - 08		
	08 - 09		
	09 - 10		
	10 - 11		
	11 - 12		
	12 - 13		
	13 - 14		
	14 - 15		
	15 - 16		
	16 - 17		
	17 - 18		
	18 - 19		
	19 - 20		
	20 - 21		
	21 - 22		
	22 - 23		
	Sum	0.0	0.0

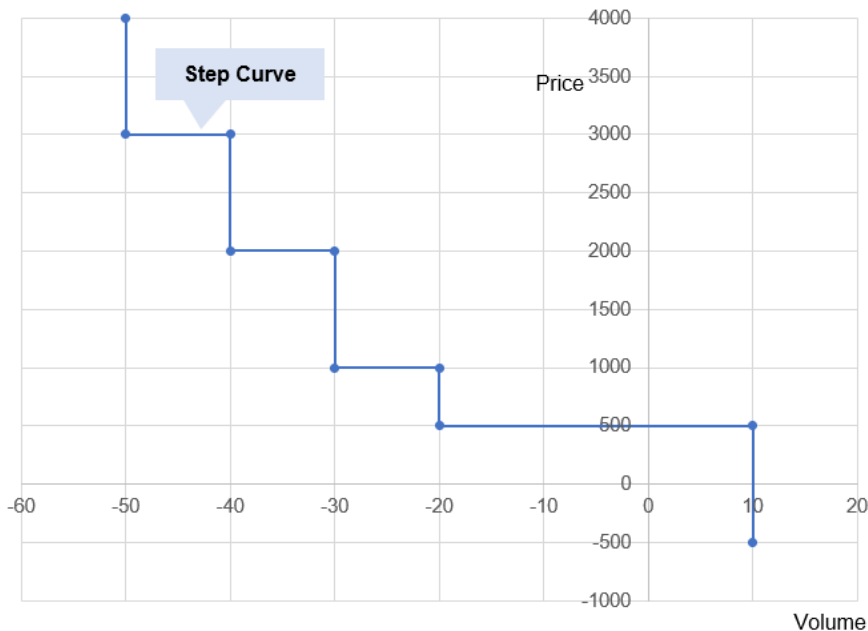
Min/Max Price  
NI (GBP): -1500 / +9000  
ROI (EUR): -500 / +4000

Add Prices    Modify Price    Remove Price    Copy Line    Paste Line    Replicate To All    Adjust to Price Limit    Close    Submit

TRADER500@sepxwts407:4443    15:18:24

# ETS Stepwise Orders > order entry

- Minimum 2 (Price; Quantity) combinations per order
- A quantity (positive, negative or zero) must be entered at the price limits
- Positive: you buy
- Negative: you sell
- Zero: no action
- Orders are linear interpolated curves: The member's interest is assumed linear between two price/quantity combinations



## Stepwise order grid in ETS

Period	-500.0	500.0	500.0	1,000.0	1,000.0	2,000.0	2,000.0	3,000.0	3,000.0	4,000.0
00 - 01	10.0	10.0	-20.0	-20.0	-30.0	-30.0	-40.0	-40.0	-50.0	-50.0

For each price you need to have 2 couples (price; quantity). For min and max price, this is not needed because implicitly the other (price;quantity) couple contains the same price and quantity at 0.

## Corresponding excel copy/paste

	A	B	C	D	E	F	G	H	I	J
1	-500	500	500	1000	1000	2000	2000	3000	3000	4000
2	10	10	-20	-20	-30	-30	-40	-40	-50	-50

Negative volume is a sell order at that point



# ETS - Stepwise orders entry example

OK

Except for min and max prices, each price must be inserted twice to allow a step curve.

Comment	Period	-500.0	30.0	30.0	4,000.0
	00 - 01	50.0	50.0	40.0	40.0
	01 - 02				
	02 - 03				
	03 - 04				
	04 - 05				
	05 - 06				
	06 - 07				
	07 - 08				
	08 - 09				
	09 - 10				
	10 - 11				
	11 - 12				

 NOK

If one « double » price is missing, an error message appears

Comment	Period	-500.0	30.0	30.0	4,000.0
	00 - 01	50.0	40.0		40.0
	01 - 02				
	02 - 03				
	03 - 04				
	04 - 05				
	05 - 06				
	06 - 07				
	07 - 08				
	08 - 09				
	09 - 10				
	10 - 11				
	11 - 12				

The order must build a step curve. Quantities must be replicated to create vertical segments. Here the « 40 » is different from « 50 » on the left and this creates an error as well.

	21 - 22				
	22 - 23				
	23 - 24				
	Sum	50.0	40.0	0.0	40.0

(TR 114) Illogical bid for hour: 00 - 01

# Example: Demand order

	-500	10	10	100	100	4000
1	30	30	20	20	10	10
2						
3						

- At a price of -500 I want to buy 30
- Between price -500 & 10 I want to buy 30
- At price 10 I want to buy between 30 & 20
- Between price 10 & 100 I want to buy 20
- At price 100 I want to buy between 20 & 10
- Between price 100 & 4000 I want to buy 10
- At price 4000 I want to buy 10, in case of curtailment the qty can be between 0 and 10

The quantity that will be allocated depending on the price in both cases is:

- At price 4000 the qty is between 0 & 10
- For a price between 4000 & 100 the qty can only be 10
- At a price 100 the qty is between 10 & 20
- For a price between 100 & 10 the qty can only be 20
- At a price 10 the qty is between 20 & 30
- For a price below 10 the qty is 30

# Enter linear orders for several days

NI-SONI-DA:PART-TS02:60 min Linear Bid Entry [Epx Trading System]

Auction Date: 22 July 2017 | Auction Name: SEMO-DA-12.00 | Delivery Date: 23 July 2017 | Area: NI-SONI-DA | Portfolio: PART-TS02 | Duration: 60 min

GBP Stepwise | NI-SONI DA

Import Bid | Export Bid | Delete | Differences

No errors

Order - 60 min

Submit Several Delivery Days

From: 23/07/2017 To: 31/07/2017

All  Monday To Friday  Saturday To Sunday

Mon  Tue  Wed  Thu  Fri  Sat  Sun

User Comment

Comment	Period	-1,500.00	-200.00	-200.00	-50.00	-50.00	0.00	0.00	100.00	100.00	200.00	200.00	9,000.00
23 - 00		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
00 - 01		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
01 - 02		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
02 - 03		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
03 - 04		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
04 - 05		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
05 - 06		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
06 - 07		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
07 - 08		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
08 - 09		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
09 - 10		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
10 - 11		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
11 - 12		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
12 - 13		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
13 - 14		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
14 - 15		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
15 - 16		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
16 - 17		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
17 - 18		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
18 - 19		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
19 - 20		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
20 - 21		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
21 - 22		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
22 - 23		200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0
Sum		4,800.0	4,800.0	2,400.0	2,400.0	0.0	0.0	+7,200.0	+7,200.0	-8,400.0	-8,400.0	-12,000.0	-12,000.0

Add Prices | Modify Price | Remove Price | Copy Line | Paste Line | Replicate To All | Adjust to Price Limit

Close Submit

TRADER500@sepwets407:4443 15:23:13



Possibility to enter buy and sale orders

# Modify order and check for differences

NI-SONI-DA:PART-TS02-60 min Linear Bid Entry [Expec Trading System]

File View Format Settings Window Help

Auction Date: 23 July 2017    Auction Name: SEMO-DA-12.00    Delivery Date: 24 July 2017    Area: NI-SONI-DA    Portfolio: PART-TS02    Duration: 60 min

GBP Stepwise INACTIVE    NI-SONI DA

Import Bid    Export Bid    Delete     Differences 1

No errors

Order - 60 min

Submit Several Delivery Days

User Comment

Comment	Period	-1,500.00	-200.00	-200.00	-50.00	-50.00	0.00	0.00	100.00	100.00	200.00	200.00	9,000.00
23 - 00	500.0	500.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
00 - 01	500.0	500.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
01 - 02	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
02 - 03	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
03 - 04	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
04 - 05	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
05 - 06	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
06 - 07	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
07 - 08	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
08 - 09	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
09 - 10	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
10 - 11	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
11 - 12	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
12 - 13	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
13 - 14	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
14 - 15	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
15 - 16	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
16 - 17	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
17 - 18	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
18 - 19	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
19 - 20	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
20 - 21	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
21 - 22	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
22 - 23	200.0	200.0	100.0	100.0	0.0	0.0	-300.0	-300.0	-350.0	-350.0	-500.0	-500.0	
Sum		5,400.0	5,400.0	2,400.0	2,400.0	0.0	0.0	-7,200.0	-7,200.0	-8,400.0	-8,400.0	-12,000.0	-12,000.0

Add Prices    Modify Price    Remove Price    Copy Line    Paste Line    Replicate To All    Adjust to Price Limits

Close    Submit

TRADER500@sepwets407:4443    15:25:44

# Cancel Linear Order

- Open existing order
- Click on delete
- Click on submit
- Deleted order is displayed in violet

Market Global View - Factory View [Epex Trading System]

File View Format Settings Window Help

Day Type

Auction Day

From Date: 22/07/2017

Auction Status: All

Auction Group: All

Auction Name: All

Market Area: All

Area: All

Delivery Day	Area	Portfolio	Auction Date Time	Order Book Status	Duration	Currency	Linear	Last Update Time	Block	Last
23/07/2017	NI-SONI-DA	PART-TS01	SEMO-DA-12.00 2017-07-22-12:00	OBK Open	60 min	GBP	Deleted	21/07/2017 14:44:54	none	All
23/07/2017	NI-SONI-DA	PART-TS02	SEMO-DA-12.00 2017-07-22-12:00	OBK Open	60 min	GBP	none		none	All
23/07/2017	NI-SONI-IDA1	PART-TS01	SEMO-IDA1-16.30 2017-07-22-16:30	OBK Open	30 min	GBP	none		Exists	21/07/
23/07/2017	NI-SONI-IDA1	PART-TS02	SEMO-IDA1-16.30 2017-07-22-16:30	OBK Open	30 min	GBP	none		none	
22/07/2017	NI-SONI-IDA2	PART-TS01	SEMO-IDA2-09.00 2017-07-22-09:00	OBK Open	30 min	GBP	none		none	
22/07/2017	NI-SONI-IDA2	PART-TS02	SEMO-IDA2-09.00 2017-07-22-09:00	OBK Open	30 min	GBP	none		none	
22/07/2017	NI-SONI-IDA3	PART-TS01	SEMO-IDA3-15.00 2017-07-22-15:00	OBK Open	30 min	GBP	none		none	
22/07/2017	NI-SONI-IDA3	PART-TS02	SEMO-IDA3-15.00 2017-07-22-15:00	OBK Open	30 min	GBP	none		none	
23/07/2017	ROI-EIRGRID-DA	PART-TS01	SEMO-DA-12.00 2017-07-22-12:00	OBK Open	60 min	EUR	none		none	
23/07/2017	ROI-EIRGRID-DA	PART-TS02	SEMO-DA-12.00 2017-07-22-12:00	OBK Open	60 min	EUR	none		none	
23/07/2017	ROI-EIRGRID-IDA1	PART-TS01	SEMO-IDA1-16.30 2017-07-22-16:30	OBK Open	30 min	EUR	none		none	
23/07/2017	ROI-EIRGRID-IDA1	PART-TS02	SEMO-IDA1-16.30 2017-07-22-16:30	OBK Open	30 min	EUR	none		none	
22/07/2017	ROI-EIRGRID-IDA2	PART-TS01	SEMO-IDA2-09.00 2017-07-22-09:00	OBK Open	30 min	EUR	none		none	
22/07/2017	ROI-EIRGRID-IDA2	PART-TS02	SEMO-IDA2-09.00 2017-07-22-09:00	OBK Open	30 min	EUR	none		none	
22/07/2017	ROI-EIRGRID-IDA3	PART-TS01	SEMO-IDA3-15.00 2017-07-22-15:00	OBK Open	30 min	EUR	none		none	
22/07/2017	ROI-EIRGRID-IDA3	PART-TS02	SEMO-IDA3-15.00 2017-07-22-15:00	OBK Open	30 min	EUR	none		none	

Show Linear Show Block Show Complex Show Market Results Show Indexes

Messages:

Time	Text
21 July 2017 15:27:29	Cancelled LinearOrder PART-TS02 / NI-SONI-DA / 60 min / 2017-07-23-10:00
21 July 2017 15:24:49	Submitted LinearOrder PART-TS02 / NI-SONI-DA / 60 min / 2017-07-30-10:00
21 July 2017 15:24:49	Submitted LinearOrder PART-TS02 / NI-SONI-DA / 60 min / 2017-07-27-10:00
21 July 2017 15:24:49	Submitted LinearOrder PART-TS02 / NI-SONI-DA / 60 min / 2017-07-26-10:00
21 July 2017 15:24:49	Submitted LinearOrder PART-TS02 / NI-SONI-DA / 60 min / 2017-07-25-10:00
21 July 2017 15:24:49	Submitted LinearOrder PART-TS02 / NI-SONI-DA / 60 min / 2017-07-24-10:00
21 July 2017 15:24:49	Submitted LinearOrder PART-TS02 / NI-SONI-DA / 60 min / 2017-07-23-10:00
21 July 2017 14:51:52	Cancelled Block Bid(s) PART-TS01 / NI-SONI-IDA1 / 30 min / 2017-07-22-14:30
21 July 2017 14:49:44	Submitted Block Bid(s) PART-TS01 / NI-SONI-IDA1 / 30 min / 2017-07-22-14:30
21 July 2017 14:44:54	Cancelled LinearOrder PART-TS01 / NI-SONI-DA / 60 min / 2017-07-22-10:00
21 July 2017 14:44:39	Submitted LinearOrder PART-TS01 / NI-SONI-DA / 60 min / 2017-07-22-10:00
21 July 2017 14:43:49	Submitted LinearOrder PART-TS01 / NI-SONI-DA / 60 min / 2017-07-28-10:00
21 July 2017 14:43:49	Submitted LinearOrder PART-TS01 / NI-SONI-DA / 60 min / 2017-07-22-10:00

TRADER500@sepwets407:4443 15:28:05

NI-SONI-DA-PART-TS02:60 min Linear Bid Entry [Epex Trading System]

File View Format Settings Window Help

Auction Date: 23 July 2017

Auction Name: SEMO-DA-12.00

Delivery Date: 24 July 2017

Area: NI-SONI-DA

Portfolio: PART-TS02

Duration: 60 min

GBP

Stepwise DELETED

NI-SONI DA

Import Bid Export Bid Delete Differences 2

No errors

Order - 60 min

Submit Several Delivery Days

User Comment

Comment	Parbid	Parbid	Parbid
23 - 00	-1,500.00	9,000.00	0.0
00 - 01	0.0	0.0	0.0
01 - 02	0.0	0.0	0.0
02 - 03	0.0	0.0	0.0
03 - 04	0.0	0.0	0.0
04 - 05	0.0	0.0	0.0
05 - 06	0.0	0.0	0.0
06 - 07	0.0	0.0	0.0
07 - 08	0.0	0.0	0.0
08 - 09	0.0	0.0	0.0
09 - 10	0.0	0.0	0.0
10 - 11	0.0	0.0	0.0
11 - 12	0.0	0.0	0.0
12 - 13	0.0	0.0	0.0
13 - 14	0.0	0.0	0.0
14 - 15	0.0	0.0	0.0
15 - 16	0.0	0.0	0.0
16 - 17	0.0	0.0	0.0
17 - 18	0.0	0.0	0.0
18 - 19	0.0	0.0	0.0
19 - 20	0.0	0.0	0.0
20 - 21	0.0	0.0	0.0
21 - 22	0.0	0.0	0.0
22 - 23	0.0	0.0	0.0
Sum	0.0	0.0	0.0

Add Prices Modify Price Remove Price Copy Line Paste Line Replicate To All Adjust to Price Limit

Close Submit

TRADER500@sepwets407:4443 15:27:35

# Enter Complex Orders

Complex orders are not available for Intraday auctions

Delivery Day	Area	Portfolio	Auction Date Time	Order Book Status	Duration	Currency	Linear	Last Update Time	Block	Last Update Time	Complex	Last Update Time
23/07/2017	NI-SONI-DA	PART-TS01	SEMO-DA-12.00 2017-07-22-12:00	OBK Open	60 min	GBP	Deleted	23/07/2017 14:44:54	none	none	none	none
23/07/2017	NI-SONI-DA	PART-TS02	SEMO-DA-12.00 2017-07-22-12:00	OBK Open	60 min	GBP	none	none	none	none	none	none
23/07/2017	NI-SONI-DA1	PART-TS02	SEMO-DA1-16.30 2017-07-22-16:30	OBK Open	30 min	GBP	none	none	Exists	23/07/2017 14:49:44	none	none
23/07/2017	NI-SONI-DA2	PART-TS02	SEMO-DA2-09.00 2017-07-22-09:00	OBK Open	30 min	GBP	none	none	none	none	none	none
23/07/2017	NI-SONI-DA3	PART-TS02	SEMO-DA3-15.00 2017-07-22-15:00	OBK Open	30 min	GBP	none	none	none	none	none	none
23/07/2017	NI-SONI-DA3	PART-TS02	SEMO-DA3-15.00 2017-07-22-15:00	OBK Open	30 min	GBP	none	none	none	none	none	none
23/07/2017	RCO-ESRGRD-DA	PART-TS01	SEMO-DA-12.00 2017-07-22-12:00	OBK Open	60 min	EUR	none	none	none	none	none	none
23/07/2017	RCO-ESRGRD-DA	PART-TS02	SEMO-DA-12.00 2017-07-22-12:00	OBK Open	60 min	EUR	none	none	none	none	none	none
23/07/2017	RCO-ESRGRD-DA1	PART-TS02	SEMO-DA1-16.30 2017-07-22-16:30	OBK Open	30 min	EUR	none	none	none	none	none	none
23/07/2017	RCO-ESRGRD-DA2	PART-TS02	SEMO-DA2-09.00 2017-07-22-09:00	OBK Open	30 min	EUR	none	none	none	none	none	none
23/07/2017	RCO-ESRGRD-DA2	PART-TS02	SEMO-DA2-09.00 2017-07-22-09:00	OBK Open	30 min	EUR	none	none	none	none	none	none
23/07/2017	RCO-ESRGRD-DA3	PART-TS02	SEMO-DA3-15.00 2017-07-22-15:00	OBK Open	30 min	EUR	none	none	none	none	none	none
23/07/2017	RCO-ESRGRD-DA3	PART-TS02	SEMO-DA3-15.00 2017-07-22-15:00	OBK Open	30 min	EUR	none	none	none	none	none	none

Auction Date: 25 July 2017 | Auction Name: SEMO-DA-12.00 | Delivery Date: 26 July 2017 | Area: NI-SONI-DA | Portfolio: PART-TS01 | Duration: 60 min | Currency: GBP

Differences: 1

No errors

Order - 60 min

Submit Several Delivery Days

Fixed Term: 1 | Variable Term: 0 | Scheduled Stop Period: 3 | Increase Gradient: [v] | Decrease Gradient: [v]

User Comment:

Comment	Period	1,500.00	0.00	0.00	1,000.00	1,000.00	9,000.00
23 - 00	-1.0	-1.0	-5.0	-5.0	-100.0	-100.0	-100.0
00 - 01	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
01 - 02	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
02 - 03	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
03 - 04	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
04 - 05	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
05 - 06	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
06 - 07	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
07 - 08	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
08 - 09	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
09 - 10	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
10 - 11	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
11 - 12	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
12 - 13	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
13 - 14	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
14 - 15	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
15 - 16	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
16 - 17	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
17 - 18	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
18 - 19	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
19 - 20	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
20 - 21	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
21 - 22	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
22 - 23	0.0	0.0	-5.0	-5.0	-100.0	-100.0	-100.0
Sum	-1.0	-1.0	-120.0	-120.0	-2,400.0	-2,400.0	-2,400.0

TRADER500@sepxwets407:14443 09:54:49

The Complex Bid Entry screen can be accessed via Market Global View under the double-click mouse action or Show Complex button of the Market Global View screen.

Alternatively, double-click the "Complex" or "Complex last update time" field you wish to open a Complex Bid screen for.

# Modify Complex Orders

The screenshot displays the semoPX interface for modifying a complex order. The top navigation bar includes 'File', 'View', 'Format', 'Settings', 'Window', and 'Help'. The main header shows the order details: Day Type (Auction E), Auction Name (PWR-MRC-D), Auction Date Time (1 April 2021 - 12:00 cet/cest), Area (ROI-EIRGRID), Portfolio, and Duration (60 n). The 'Differences' checkbox is checked and highlighted with a red box. Below the header, there are options for 'Import Bid', 'Export Bid', and 'Delete'. The 'Order - 60 min' section includes a 'Submit Several Delivery Days' checkbox and a table for 'Fixed Term' and 'Variable Term'. The 'User Comment' section is empty. The main table displays trading periods with prices highlighted in red. The 'Close' and 'Submit' buttons at the bottom right are also highlighted with a red box.

Comment	Period (gmt/bst)	-100.00	4,000.00
	23 - 00	-17.0	-17.0
	00 - 01	-15.7	-15.7
	01 - 02	-14.9	-14.9
	02 - 03	-14.4	-14.4
	03 - 04	-14.1	-14.1
	04 - 05	-14.1	-14.1
	05 - 06	-14.5	-14.5
	06 - 07	-16.0	-16.0
	07 - 08	-18.6	-18.6
	08 - 09	-20.5	-20.5
	09 - 10	-21.1	-21.1
	10 - 11	-21.2	-21.2
	11 - 12	-21.2	-21.2
	12 - 13	-21.3	-21.3
	13 - 14	-21.1	-21.1
	14 - 15	-20.8	-20.8
	15 - 16	-20.9	-20.9
	16 - 17	-21.5	-21.5
	17 - 18	-22.6	-22.6
	18 - 19	-22.7	-22.7
	19 - 20	-23.2	-23.2
	20 - 21	-21.9	-21.9

Following on from instructions on slide 26, choose complex order you wish to modify. Update the trading periods volumes/prices you wish to modify within the cell/s. Select “Differences” and then select “Submit”.

# Cancel Complex Orders

The screenshot displays the semo pX software interface. At the top, there is a menu bar with 'File', 'View', 'Format', 'Settings', 'Window', and 'Help'. Below the menu bar is a toolbar with various icons. The main interface shows a header section with the following information:

- Day Type: Auction E
- Auction Name: PWR-MRC-D
- Auction Date Time: 1 April 2021 - 12:00 cet/cest
- Area: ROI-EIRGRID
- Portfolio: [empty]
- Duration: 60 n

Below the header, there are buttons for 'Import Bid', 'Export Bid', 'Delete', and 'Differences'. The 'Differences' button is set to '1'. To the right, there is a 'EUR' logo and a 'Stepwise ACTIVE' indicator. Below this, there is a 'ROE-EIRGRID' logo and a 'DA' logo.

The main area shows an 'Order - 60 min' section with a 'Submit Several Delivery Days' checkbox. Below this, there are fields for 'Fixed Term', 'Variable Term', 'Schedule Stop Periods', 'Increase Gradient', and 'Decrease Gradient'. The 'Fixed Term' field is set to '1', 'Variable Term' to '0', and 'Schedule Stop Periods' to '0'. There is also a 'User Comment' field.

The central part of the interface is a table with the following columns: 'Comment', 'Period (gmt/bst)', '-500.00', and '4,000.00'. The table contains 22 rows of data, each representing a time period from 23-00 to 20-21. The values in the last two columns are negative, ranging from -17.0 to -23.2. A red box highlights the 'Delete' and 'Submit' buttons at the bottom right of the table.

Comment	Period (gmt/bst)	-500.00	4,000.00
	23 - 00	-17.0	-17.0
	00 - 01	-15.7	-15.7
	01 - 02	-14.4	-14.4
	02 - 03	-14.4	-14.4
	03 - 04	-14.1	-14.1
	04 - 05	-14.1	-14.1
	05 - 06	-14.5	-14.5
	06 - 07	-16.0	-16.0
	07 - 08	-18.6	-18.6
	08 - 09	-20.5	-20.5
	09 - 10	-21.1	-21.1
	10 - 11	-21.2	-21.2
	11 - 12	-21.2	-21.2
	12 - 13	-21.3	-21.3
	13 - 14	-21.1	-21.1
	14 - 15	-20.8	-20.8
	15 - 16	-20.9	-20.9
	16 - 17	-21.5	-21.5
	17 - 18	-22.6	-22.6
	18 - 19	-22.7	-22.7
	19 - 20	-23.2	-23.2
	20 - 21	-21.9	-21.9

At the bottom of the table, there are buttons for 'Add Prices', 'Modify Price', 'Remove Price', 'Copy Line', 'Paste Line', 'Replicate To All', and 'Adjust to Price Limit'. A red box highlights the 'Close' and 'Submit' buttons at the bottom right of the interface.

Following on from instructions on slide 26, choose the complex order you wish to delete. Select “Delete” and then select “Submit”.



# Market Results pop-up

- ❑ Preliminary results  
(for coupled auctions  
only)

Market Results [Ipeex Trading System]

Auction: Auction name Delivery Date: 25 October 2017

From Currency: EUR To Currency: GBP Fx Rate: 0.800669308674593

Period	NCP (GBP)
Baseload	36.084
Peakload	38.315
Total Turnov	104,158.600

These results are Preliminary

TRADER001@sepwets406-4443 12:29:16

Market Results [Ipeex Trading System]

Auction: Auction name Delivery Date: 25 October 2017

From Currency: EUR To Currency: EUR Fx Rate: 1

Period	NCP (EUR)
Baseload	40.973
Peakload	43.507
Total Turnov	104,158.600

These results are Preliminary

TRADER001@sepwets406-4443 12:13:11

- ❑ Final results  
(for both coupled and  
local auctions)

Market Results [Ipeex Trading System]

Auction: Auction name Delivery Date: 25 October 2017

From Currency: EUR To Currency: GBP Fx Rate: 0.800669308674593

Period	NCP (GBP)
Baseload	36.084
Peakload	38.315
Total Turnov	104,158.600

These results are Final

TRADER001@sepwets406-4443 12:25:45

Market Results [Ipeex Trading System]

Auction: Auction name Delivery Date: 25 October 2017

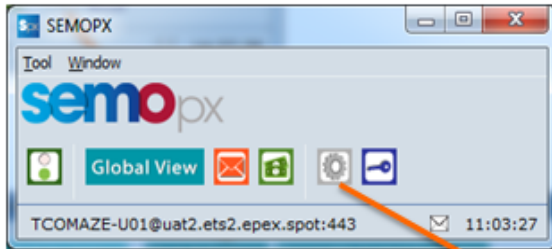
From Currency: EUR To Currency: EUR Fx Rate: 1

Period	NCP (EUR)
Baseload	40.973
Peakload	43.507
Total Turnov	104,158.600

These results are Final

TRADER001@sepwets406-4443 12:32:46

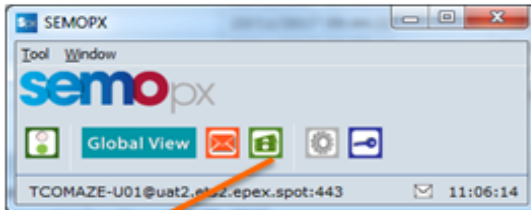
# Define Reasonable Control Parameters



The screenshot shows the "User Reasonable Control Parameters [Settings]" window. The title bar reads "User Reasonable Control Parameters [Settings]". Below the title bar is a menu bar with "File", "Format", "Window", and "Help". The SEMOPX logo is in the top right corner. Below the menu bar are tabs: "Global Settings", "Modules Settings", "Block Definitions", and "Reasonable Control Parameters" (selected). Below the tabs is a table titled "Reasonable Control Parameters". The table has columns for "Area", "Portfolio", "Duration", "Volume difference at Pmin", "Volume difference at Pmax", "Order side change at Pmin", "Order side change at Pmax", and "Control". There are also "Import from Excel" and "Export to Excel" buttons. At the bottom right, there are "Reset" and "Update" buttons. The status bar at the bottom shows "TCOMAZE-U01@uat2.ets2.epex.spot:443" and the time "23:51:10".

Area	Portfolio	Duration	Volume difference at Pmin	Volume difference at Pmax	Order side change at Pmin	Order side change at Pmax	Control
NI-SONI-DA	COMPANYA-T01	60 min			▼	▼	
NI-SONI-IDA1	COMPANYA-T01	30 min			▼	▼	
NI-SONI-IDA2	COMPANYA-T01	30 min			▼	▼	
NI-SONI-IDA3	COMPANYA-T01	30 min			▼	▼	
ROI-EIRGRID-DA	COMPANYA-T01	60 min			▼	▼	
ROI-EIRGRID-IDA1	COMPANYA-T01	30 min			▼	▼	
ROI-EIRGRID-IDA2	COMPANYA-T01	30 min			▼	▼	
ROI-EIRGRID-IDA3	COMPANYA-T01	30 min			▼	▼	

# Check Trading Limits



Financial Trading Limits Monitor - My view (Financial)

Trading Limit Day: 24/11/2017

Exchange: All | Central Counter Party: All

Filters: Settlement Member: COMPA\_SM | Area: NI-SONI-DA, NI-SONI-IDA1, NI-SONI-IDA2, NI-SONI-IDA3, R00-EIRGR1D-DA, R00-EIRGR1D-IDA1, R00-EIRGR1D-IDA2, R00-EIRGR1D-IDA3 | Portfolio: COMPANVA-T01

Reset Selections

Id	Version	Exchange	CCP Id	CCP Version	EL Status	Currency	Initial Value	Current Value	Exposure	Min Price	Max Price	Analysitic Min Price	Analysitic Max Price	Creator	Instrument
84	1	SEMOPX	-1	All	Created	EUR	10000000	9940000	60000			0	50	ClearingMember	
86	1	SEMOPX	-1	All	Created	GBP	10000000	9940000	60000			0	50	ClearingMember	

Trading Limit Usage

Settlement Member: All | Participant: All | Portfolio: All | Area: All

TCMAZE-U01@uat2.ets2.epex.spot:443 11:07:46

# SEMOpX - Trading on Behalf (ToB)

Trading of Behalf process allows SEMOpX members a fall back process to continue trading in the DAM and Intraday Auctions if their connection to the trading system (ETS) fails or the member experiences a technical problem that prevents them from placing orders.

In case of such issues, Excel backup forms are available [here](#) on the SEMOpX website.

## Trading on behalf process

Process	DAM	IDA1	IDA2	IDA3
1. Complete the required excel form	<a href="#">DAM bidding NI</a> <a href="#">DAM complex NI</a> <a href="#">DAM bidding ROI</a> <a href="#">DAM complex ROI</a>	<a href="#">IDA1 bidding NI &amp; ROI</a> <a href="#">IDA1 complex NI &amp; ROI</a>	<a href="#">IDA2 bidding NI &amp; ROI</a> <a href="#">IDA2 complex NI &amp; ROI</a>	<a href="#">IDA3 bidding NI &amp; ROI</a> <a href="#">IDA3 complex NI &amp; ROI</a>

2. Email the completed form to\*: [marketops@ops.semopx.com](mailto:marketops@ops.semopx.com).

3. You should immediately contact the Market Operation [here](#) by telephone, selecting option 1.

\* *Orders will be entered on members' behalf, on a best efforts' basis.*

• *SOBT: Submission on Behalf of Trading Tool was decommissioned on the 14th September 2021. For further information please see market message [here](#).*

# SEMOpX - Trading on Behalf (ToB)

The following provides instructions on how to fill in the TOB forms:

- Select the correct form based on the impacted auction (SEM-DA / SEM GB IDA1/SEM GB IDA2/SEM IDA3), per area NI/ROI, 25-Hours for Long Day DST or the ones for normal day.
  - The ones for the normal day should be used for Short Day DST without filing in the impacted periods.
- Fill in the trader name (**only authorized traders** are permitted to send a ToB form and request its submission) and the respective portfolio as well as the type of the order (new, modification of existing one or cancellation of existing one) of an existing one)

FROM COMPANY	
Trader Name	
ETS Portfolio name to be used	

NEW BID	<input type="checkbox"/>
MODIFY BID	<input type="checkbox"/>
CANCEL BID	<input type="checkbox"/>

- Ensure that the auction (and area), the trading and delivery days are correct.

Area	SEM-GB-IDA1-ROI
------	-----------------

Trading day	4 February 2022
-------------	-----------------

Delivery day	5 February 2022
--------------	-----------------

- Add prices and volumes carefully

PERIOD	PRICES in EUROS (with 1 decimals) / VOLUMES in MW (with 1 decimal)									
	-150,0	3000,0								
23:00-23:30										
23:30-00:00										
00:00-00:30										
00:30-01:00										
01:00-01:30										
01:30-02:00										
02:00-02:30										

- For Complex Orders (CO), please fill in the additional below fields:

Fixed Term	Variable Term	Schedule Stop Periods	Increase Gradient	Decrease Gradient	Comment

# 7 ETS Reporting capabilities

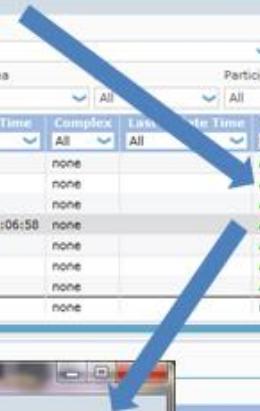
Market Global View - Factory View [Epex Trading System]

Day Type: Auction Day

From Date: 27/07/2017

Auction Status: All | Auction Group: All | Auction Name: All | Market Area: All | Participant: All

Time	Order Book Status	Duration	Currency	Linear	Last Update Time	Block	Last Update Time	Complex	Linear	Time	Mkt Results
2017-07-27-12:00	OBK Closed	60 min	GBP	none		none		none			Available
2017-07-27-12:00	OBK Closed	60 min	GBP	none		none		none			Available
2017-07-27-12:00	OBK Closed	60 min	GBP	none		none		none			Available
2017-07-27-16:30	OBK Closed	30 min	GBP	Exists	26/07/2017 10:47:36	Exists	26/07/2017 11:06:50	none			Available
2017-07-27-16:30	OBK Closed	30 min	GBP	none		none		none			Available
2017-07-27-16:30	OBK Closed	30 min	GBP	none		none		none			Available
2017-07-27-16:30	OBK Closed	30 min	GBP	none		none		none			Available
2017-07-27-09:00	OBK Open	30 min	GBP	none		none		none			none



Market Results - Factory View [Epex Trading System]

Day Type: Auction Day

From Date: 27/07/2017

Area Set: SEMO IDA1 | Auction Name: SemoID-16.30 | Area: NI-SONI-IDA1 | Duration: 30 min | Participant: A2A | Portfolio: A2A-T01 | Currency: GBP

Export To Excel | Export Single To CSV | Export All To CSV

Portfolio: A2A-T01

Period (CET)	MCP	MCV	Net	Total Schedule		Linear Schedule		Block Schedule		Complex Schedule			
				Purchase	Sale	Net	Purchase	Sale	Net	Purchase	Sale		
00:00 - 00:30	1099.577762139338494	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
00:30 - 01:00	1099.577762139338494	1.0	-1.0	0.0	1.0	0.0	0.0	0.0	-1.0	0.0	1.0	0.0	0.0
01:00 - 01:30	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01:30 - 02:00	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02:00 - 02:30	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02:30 - 03:00	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03:00 - 03:30	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03:30 - 04:00	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04:00 - 04:30	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04:30 - 05:00	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05:00 - 05:30	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05:30 - 06:00	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06:00 - 06:30	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06:30 - 07:00	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07:00 - 07:30	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07:30 - 08:00	1099.577762139338494	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

These results are Final

SEMOTRADER001@sepwets411:443 11:20:45