



E-terraMarket
ENTSO-E Capacity Auction
Electronic Capacity Allocation Tool – eCAT
JAO Participant User's Guide

Product Release May 2023



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1. About This Guide

1.1 WHAT THIS GUIDE COVERS

Welcome to the **e-terraMarket ENTSO-E Capacity Auction** User's Guide. This guide explains how to use the **e-terraMarket ENTSO-E Capacity Auction's** GUI to perform the participant tasks to buy transmission capacity on boundaries between cross-border countries.

1.2 WHO SHOULD READ THIS GUIDE

This guide is primarily intended for:

- **Registered Participants**

- Capacity Trader: Acquires capacity on the capacity market through the Transmission Capacity Allocator (TCA). The capacity in question may be acquired on behalf of an Interconnection Trade Responsible or acquired to be sold on the secondary market.
- System Operator: The role of the System Operator in a wholesale electricity market is to manage the security of the power system in real time and co-ordinate the supply of and demand for electricity, in a manner that avoids fluctuations in frequency or interruptions of supply.

This guide assumes familiarity with the concepts of capacity auction. Users should also be familiar with basic computer concepts related to browsers, windows, menus, and mouse.

1.3 HOW THIS GUIDE IS ORGANIZED

This guide includes the following chapters:

- **About This Guide**: This chapter describes what this guide covers, who should read it, how it's organized, and the conventions it uses.
- **Introduction to e-terraMarket ENTSO-E Capacity Auction**: Provides an overview of the system, its components and what it does. Explains terms and concepts users need to know when working with the system.
- **System Features**: Presents the GUI screens and features. Explains basic GUI tasks, such as logging in and menu navigation.

- **Participant Tasks:** Explains how to perform the individual tasks to deal with transmission capacity. They include:
 1. Auction process, to explain how the Allocation Platform will run the explicit capacity auction.
 2. Bidding, to explain how to make and change bids using the tool.
 3. Auction results, to help the user to interpret the auction final results.
 4. Secondary Market, to explain how to declare transfer and resale notifications.
 5. Management of Capacity Right Portfolios, to follow the update of capacity rights after auction allocation, auction cancellation, secondary market and capacity curtailment.
 6. ITR Designation, to explain how to change ITR designation on a long-term auction.
 7. Management of Programming Authorizations, to be used by participants in the nomination process.

1.4 CONVENTIONS

The following formatting conventions are used in this document.

Table 1 Formatting Conventions

Convention	Example	Explanation
>	Go to Enterprise > Parameters	Indicates the selection path to a menu option.
▶	▶ To log in:	Indicates one of multiple procedures, which are given within the same chapter section.

The following abbreviations are used by the **e-terraMarket ENTSO-E Capacity Auction** system and this document.

Table 2 Abbreviations

Abbreviation	Explanation
ATC	Available Transmission Capacity
AAC	Already Allocated Capacity



e-terraMarket ENTSO-E Capacity Auction for JAO

Abbreviation	Explanation
CT	Capacity Trader
ITR	Interconnection Trade Responsible
LT	Long Term (yearly, seasonally, quarterly, or monthly)
LTC	Long Term Contract
NTC	Net Transfer Capacity
OC	Offered Capacity
SO	System Operator
TCA	Transmission Capacity Allocator
TTC	Total Transfer Capacity

2. Introduction to e-terraMarket *ENTSO-E Capacity Auction*

2.1 SYSTEM OVERVIEW

“Capacity auction” module of **e-terraMarket** platform developed by GE supports the full process from the identification and publication of offered capacity to the publication of allocation results. The allocation of capacity rights is supported by a market based matching process taking as input capacity bids submitted by market participants.

The proposed solution enables to manage explicit auctions on several borders.

The following sections discuss the operational processes of the market participant’s web interface in details. They explain various terms and concepts used within the context of the **e-terraMarket *ENTSO-E Capacity Auction*** system.

2.2 WHAT USERS SHOULD KNOW

2.2.1 Terms & Concepts

Other **e-terraMarket ENTSO-E Capacity Auction** terms and concepts you should be familiar with are as follows:

- **TCA:** They are responsible for the organization and the allocation of the auctions. They operate the capacity auctioning system and organize the auctions.
- **Market Participant:**
 - **ITR:** Interconnection Trade Responsible. They are Balance Responsible Party (BRP) or depend on one BRP. They are recognized by the Nomination Validator for the nomination of allocated capacity.
 - **Capacity Trader** Acquires capacity on the capacity market through the TCA. The capacity in question may be acquired on behalf of an Interconnection Trade Responsible or acquired to be sold on the secondary market. They can view the public information for the market participants and their own bids and rights (submitted bids and allocated transmission capacity rights), they can maintain, upload, download them
- **TSO:** Transmission system operator. They are responsible for determining available capacity on the borders (ATC). They can view the public information for the market participants.
- **Gate:** It is a period during which some actions can be done with the system. A gate opens and closes at pre-defined times. In the Capacity Auction System, some processes are triggered at the opening or the closure of auction gates (auction publication, auction clearing, auction results processing).
- **Products:** A product can be defined as a block composed of 1 or more-time intervals which are not necessarily contiguous, but with a constant value (a product doesn't define a volume, it defines a profile). The different blocks can be attached to separate auctions or to the same auction. Each block is cleared separately.

2.2.2 About Inputs

Inputs from participants to **e-terraMarket** ENTSO-E Capacity Auction include:

- Capacity Bids that can be manually uploaded as ECAN Bid Document file v4r0 via the menu File > Upload or entered on the GUI.
- Resale Notifications that can be manually uploaded as ECAN Rights Document file v4r0 via the menu File > Upload or entered on the GUI.
- Default Bids that can be manually entered through the GUI.
- Transfer Notifications that can be manually uploaded as ECAN Rights Document file v4r0 (or entered on the GUI).
- Balancing reservation that can be manually uploaded as ECAN Rights Document file v4r0 (or entered on the GUI).

2.2.3 About Data outputs

Data outputs to participants from **e-terraMarket** ENTSO-E Capacity Auction include:

- Confirmation of registration in the System received via email by the participants.
- Auction characteristics, displayed in the GUI and published on JAO's website
- Bid and resale Acknowledgment Document (ENTSO-E ACK document) received via email by the participants and downloadable through the GUI by the participants.
- Allocation result document (ECAN Allocation Result document v4r0) downloadable through the GUI by the participants.
- Capacity Right Portfolio Document (ECAN Rights Document file v4r0) downloadable through the GUI by the participants
- Transfer confirmation as ECAN Rights Document file v4r0 received via email by the participants and downloadable through the GUI by the participants
- Long-Term Programming Authorizations as ECAN Rights Document file v4r0 received via email by the participants and downloadable through the GUI by the participants
- Daily Programming Authorizations as ECAN Rights Document file v4r0 received via email by the participants and downloadable through the GUI by the participants
- Day ahead Min/Max AAC as ECAN Rights Document file v4r0 received via email by the participants and downloadable through the GUI by the participants
- Settlement results as Excel document downloadable through the GUI by the participants

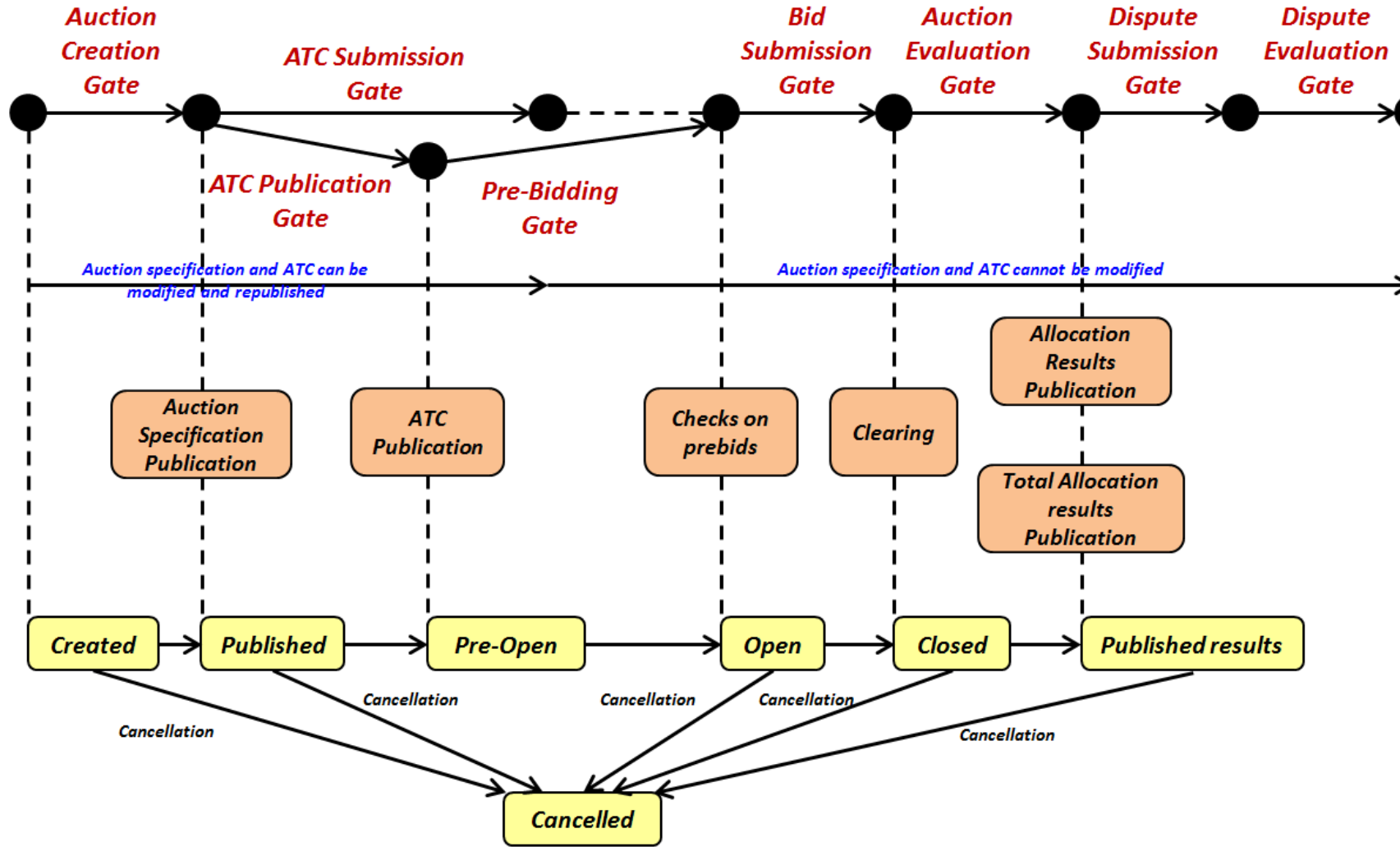
2.2.4 About Capacity Auction

NOTE

For more information, please refer to the Glossary.

Capacity Auction overall process is organized in the following phases:

- Basic registration: JAO registers the Registered Participant and its individual Users in the system.
- Auction definition: Auctions are created using parameters according to the border, direction and horizon.
- Auction publication: Auction specification is published to the market participants. This publication is triggered at 'Auction creation' gate closure.
- ATC submission: ATC is submitted by TSOs to the **e-terra market ENTSO-E Capacity Auction**.
- ATC publication: At closure of "ATC publication" gate, the ATC is published on JAO's website and ENTSO-E Transparency Platform in the form of an ECAN Capacity document v4r0. If a TSO submits an ATC document after "ATC publication" gate closure, then a new version of ATC document is published on JAO's website and ENTSO-E Transparency Platform;
- LT Resale: At closure of "LT Resale" gate, a first version of OC is published on JAO's website and ENTSO-E Transparency Platform in the form of an ECAN Capacity document v4r0. If a TSO submits an ATC document after "LT resale" gate closure, then a new version of OC document is published on JAO's website and ENTSO-e Transparency Platform.
- Bidding: Market participants submit bids to the auction to request transmission capacity. Bids can be submitted during 'Pre-Bidding' gate and 'Bid submission' gate that have been configured and scheduled for the related auction.
- Clearing: Auction results are processed by applying auction algorithm. This matching process is triggered at the opening of the Auction evaluation gate.
- Allocation result publication: Detailed allocation results are published to the capacity traders. This publication is triggered at the closure of the Auction evaluation gate.
- Dispute: Outside of the capacity auction system, Participants may contest the auction results during the Dispute submission gate. This may lead JAO to cancel the auction.



Gate	Auction Status	Actions on gate opening	Actions on gate closure
Auction creation	Created	Automatic instantiation of the auction from auction template (market configuration)	Publication of auction to market participant UI Publication of auction specification (without offered capacity) on JAO's website
ATC submission	Published then Pre-Open		Final ATC is sent before closure of this gate Auction specification can be updated no later than closure of this gate
ATC publication	Published		Publication of offered capacity on JAO's website, ENTSO-E Transparency Platform and TSOs
LT Resale	Published		Publication of offered capacity and Auction specification on JAO's website, ENTSO-E Transparency Platform and TSOs
Default Bidding	Published		Transformation of default bids into pre-bids if pre-bidding gate exists or into bids otherwise.
Pre-bidding	Pre-Open	Pre-Bid submission from Market Participant during this gate	
Bid submission	Open	Bid submission from Market Participant during this gate	
Auction evaluation	Closed	Processing auction results	Sending of provisional auction results to market participants and TSOs Publication of provisional auction results on JAO's website and ENTSO-E Vista
Dispute Submission	Published Results	Participants must submit their contestations (if any) before closure of this gate	
Dispute Processing	Published Results		

3. System Features

3.1 A LOOK AT THE GUI

E-terraMarket ENTSO-E Capacity Auction is accessed through a web-based GUI. The following figure shows the **Main screen**. This screen is the GUI's primary access point to the system features and functions.

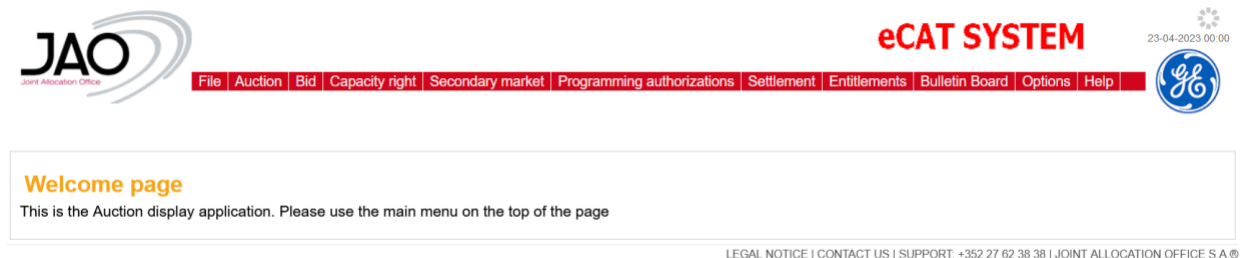


Figure 1 Main screen

3.1.1 Main Screen

From the main screen, as from any other screen, all **E-terraMarket ENTSO-E Capacity Auction Participant screens** can be reached. These screens present the major features and functions to buy capacity, transfer or resell capacity, review capacity right portfolios and programming authorizations.

- The **menus** offer features for performing standard functions such as auction review. Placing the cursor on a menu title causes the menu to drop down.

3.2 SCREEN LAYOUT

The **e-terraMarket ENTSO-E Capacity Auction** screens share a common layout, with:

- Filtering criteria pane: the topmost area offers a set of filters that can be used to search auctions, bids, events or allocation results, depending on the screen currently displayed.
- List pane: In the center, the search result is displayed as a list of items.

Each row provides some summary information on an auction, a bid, a file or an event. The list may also display a few action icons for each row, providing a quick way to open or download a file, or to create, modify or cancel a bid.

- **Details pane:** The **bottom** part of the screen shows all the details about the item currently selected from the list. For an auction, that would be its identification details, the product and the capacity offered or gates. All this information is organized in multiple tabs.

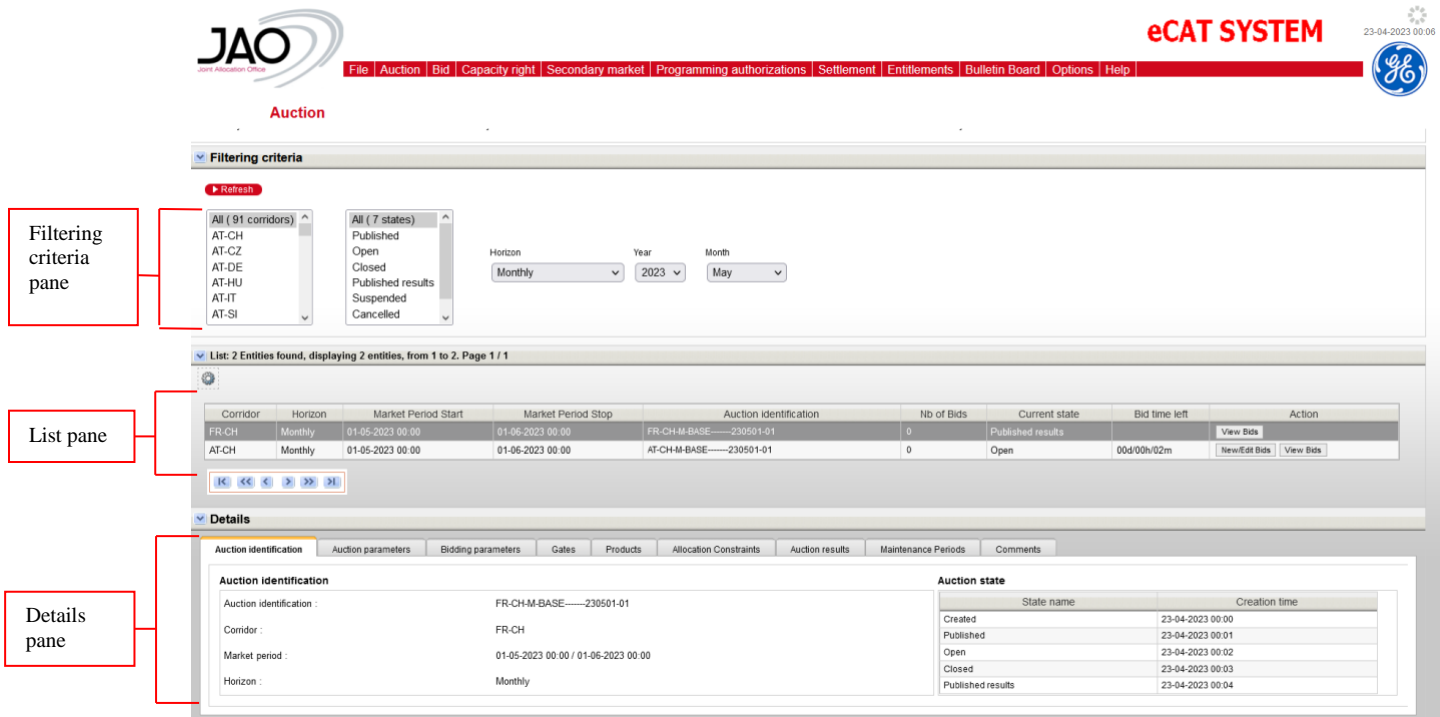


Figure 2 : GUI Screen Layout

3.3 MENU HIERARCHY

The Main screen gives access to the various displays of the application through the menu bar, at the top of the screen, by clicking on a menu or a submenu item.

Every stage in the lifecycle of an auction has one or more screens dedicated to it:

- Once an auction has been published, it can be reviewed in the Auction display through **Auction menu**.
- Participants can submit and review Bids through **New/Edit Bids submenu** in **Bid menu**.
- Participants can display the different versions of Bids in read-only mode through **Bids submenu** in **Bid menu**
- Participants can submit and review Default Bids through **New/Edit Default Bids submenu** in **Bid menu**.

- All documents either produced by or submitted to the ECAT system are available from a single screen through **Download submenu** in **File menu**.
- As soon as an auction has finished, the eCAT system computes and publishes the allocation results through **Allocation result submenu** in the Capacity right menu.
- The details of Capacity Right portfolios can be seen through the Capacity right list submenu in the **Capacity right menu**.
- All secondary market operations can be performed and checked through **Secondary market menu**.
- The details of Programming Authorizations can be seen through the Programming authorizations submenu in the **Programming Authorizations menu**.
- The modification of the designated ITR could be made through the **New ITR designation submenu** in the Programming authorizations menu
- The settlements can be exported through the **Settlement menu**

In addition, the **Options** menu allows users to change their password, the display time zone.

The following diagram shows the Main Unit screen's menus and the options available from them.

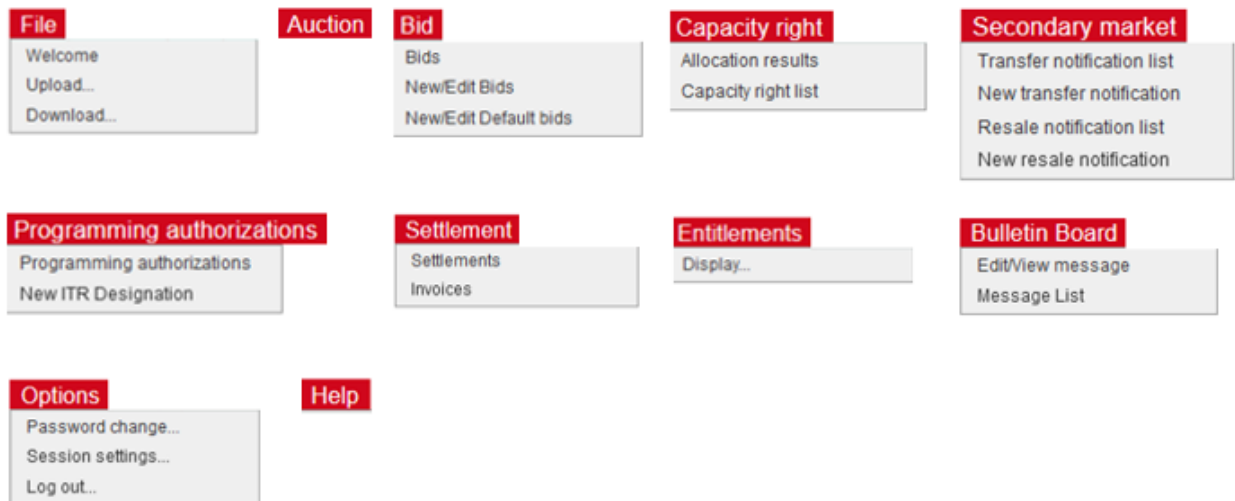


Figure 3 Drop-Down Menus

- ▶ Placing the cursor on a menu title causes the menu to drop down.

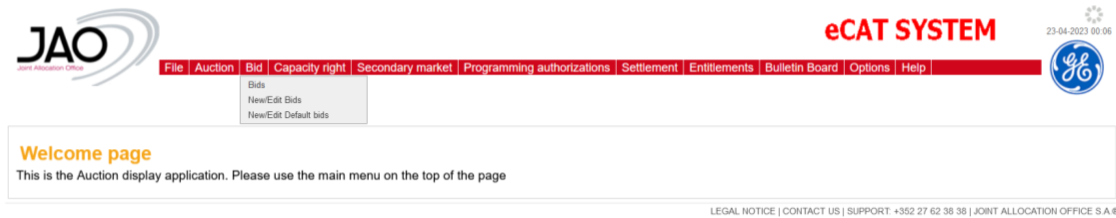


Figure 4 Menus

3.4 NAVIGATING WITH THE GUI

3.4.1 Logging In and Out

- ▶ To log in to the **e-terraMarket ENTSO-E Capacity Auction** GUI
 1. Open a new browser window.
 2. Go the Start Session page of eCat located on JAO website.
 3. Select your personal electronic certificate to use.
 4. At the Login page, enter your User ID and Password in the appropriate fields. Note that the login fields are case sensitive.
 5. Select the Time Zone
 6. Click the *Log in* button and the Applications opens.

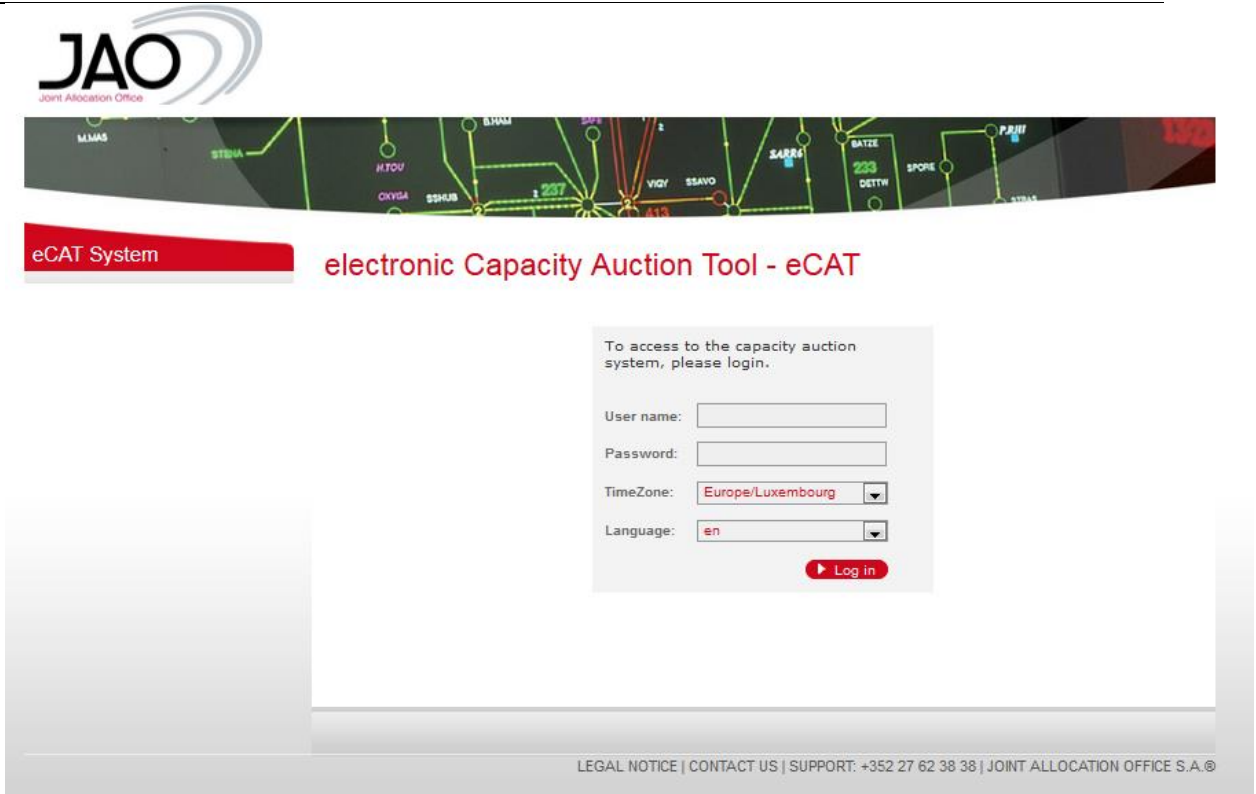


Figure 5 Login Page

- ▶ To log out from the *e-terraMarket ENTSO-E Capacity Auction* GUI:
 - Select the Logout option from the Options menu.

This terminates your session and brings you to the Login Page.

3.4.2 Controlling Frames, Tabs, Menus, and Calendars

3.4.2.1 Frames

To show and hide a frame:

- Click on the *Show/Hide* control in the upper left corner of the frame.

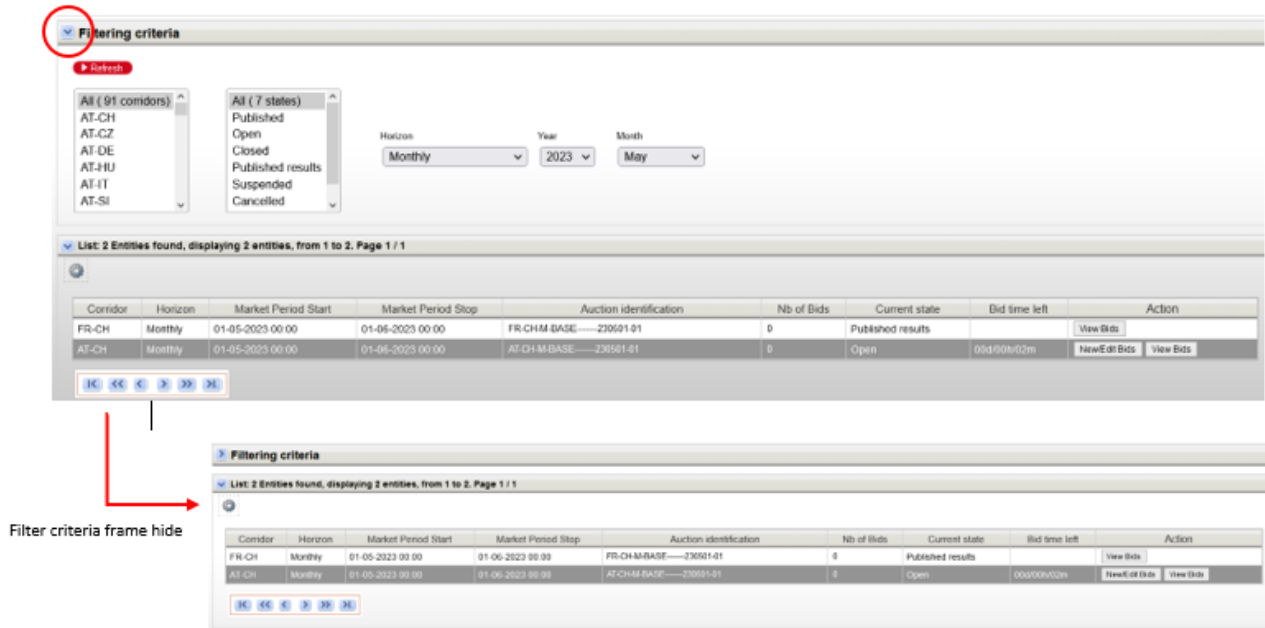


Figure 6 Hiding Frames

3.4.2.2 Tabs

- ▶ To select a tab:
 - Click on tab name. The selected tab will be displayed

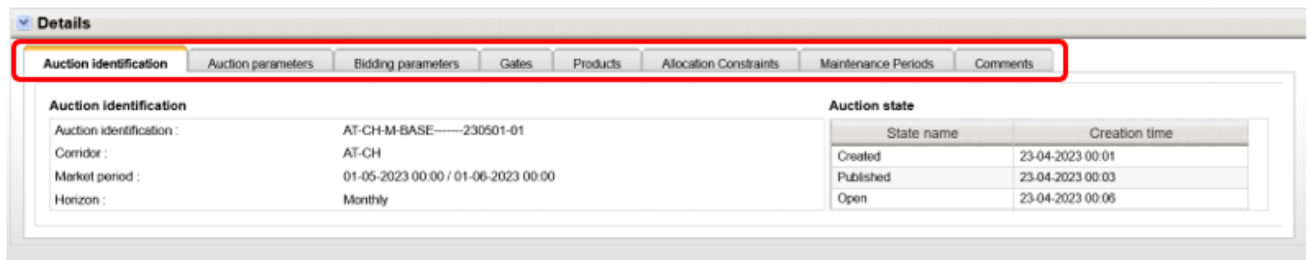


Figure 7 Selecting tab

3.4.2.3 Drop-down Menus

- ▶ To expand a drop-down menu:
 - Place the cursor over the menu name. Note that it is not necessary to click on the menu name to open the menu.

- ▶ To close a drop-down menu:
 - Move the cursor away from the menu name.



Figure 8 Drop-down menus

3.4.2.4 Pull-Down Menus

- ▶ To open pull-down menus:
 - Click on the arrow.
- ▶ To select a menu item:
 - Click on the item, it will be selected automatically.

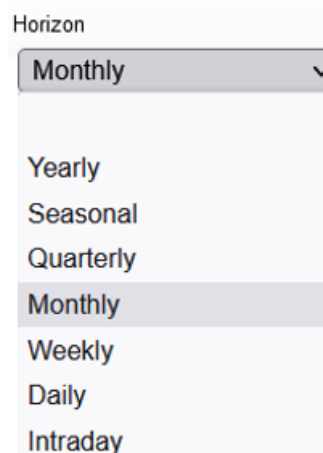


Figure 9 Pull-down menus

- ▶ To dismiss pull-down menus:
 - Click outside local frame area.

3.4.2.5 Calendar Controls

- ▶ To launch the pop-up calendar for date selection, Click the calendar icon.
- ▶ To select a date, do one of the following:

- Launch the pop-up calendar, click the scroll arrows to pick a month and year, and then select a date.
 - Or enter a date in the date field.
- ▶ To dismiss pop-up calendars:
- Click outside local frame area.

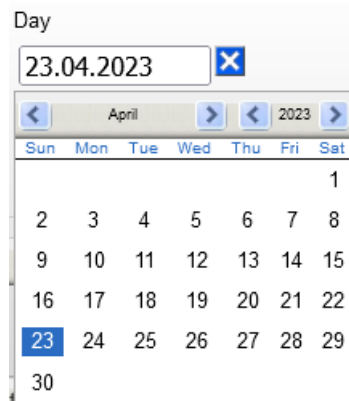


Figure 10 Calendar Popup

3.4.3 Working with Display Records and Other Text-Labeled Items

- ▶ To select a display record and other text-labeled items:
- Click on the text. For example, to select a data row on a screen, place the cursor over the row text and click the left mouse button.

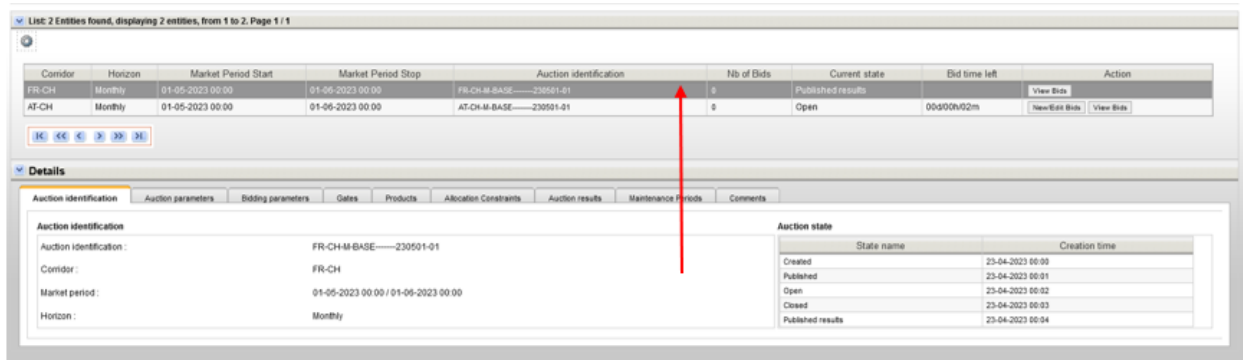


Figure 11 Clicked on Text to Select Screen Items

If more than 12 items need to be displayed, the list is paginated. You can browse through the pages using the navigation buttons at the bottom of the list.

- ▶ To display the other records:
 - Click on the arrows on the bottom of the list.
 - < and > arrows allow going to respectively previous and next screen.
 - << and >> arrows allow going to respectively previous and next ten screens.
 - |< and >| arrows allow going to respectively the first and last page.

3.4.4 Filter & Sort Displays

3.4.4.1 Sort Rows

- ▶ To sort display records by ascending or descending order:
 - Sort order of rows by clicking on screw, where they appear, in display column heading cells.

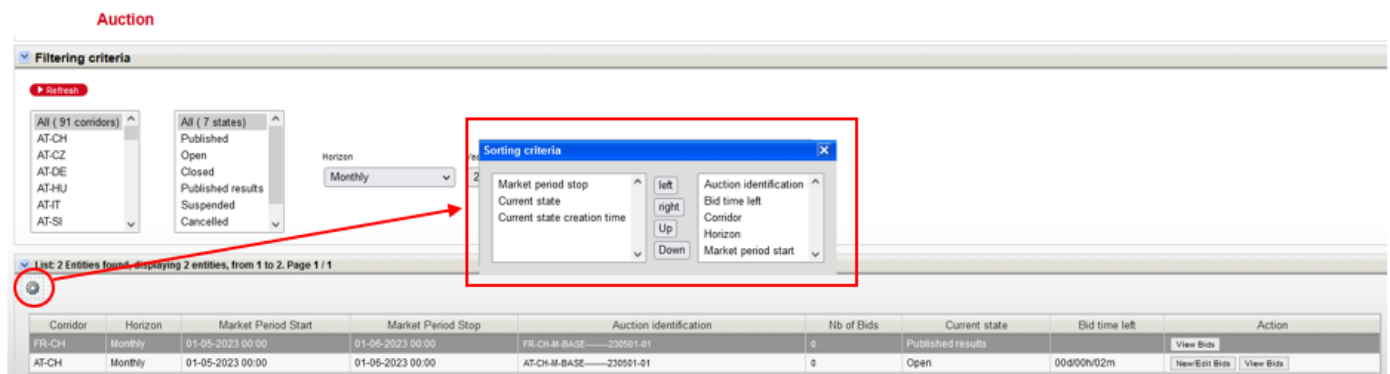


Figure 12 Sorting Criteria Rows

- Select the sorting criteria. The buttons right & Left allow choosing the columns on which the criteria is based here Corridor, Bid time left, Market period (or Delivery period) start and horizon. The Up & Down buttons allow to specify the order by between the columns.

3.4.4.2 Filter Rows

- ▶ To filter display records:
 - In Filtering criteria frame, select the various criteria by clicking on one item or none in the different lists.

- Click on the *Refresh* button in the top left corner.

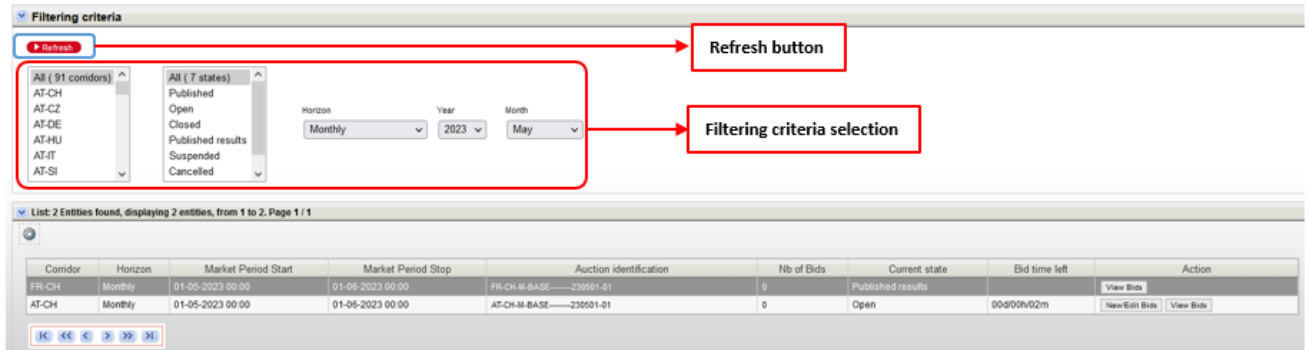


Figure 13 Filter Rows & Refresh

3.4.5 Changing the Password

- Go to Options > Password change
- Enter the old password
- Enter a new password
- Re-enter the new password to confirm it.
- Click the *Change* button.

Change password

User name

Old password

New password

Confirm new password

Figure 14 Password Change Dialog

Password policy:

- The password has a minimum of 9 characters
- The new password must be different to the last [24] passwords used

- Password must not contain the user's entire samAccountName (Account Name) value or entire displayName (Full Name) value. Both checks are not case sensitive:
 - The samAccountName is checked in its entirety only to determine whether it is part of the password. If the samAccountName is less than three characters long, this check is skipped.
 - The displayName is parsed for delimiters: commas, periods, dashes or hyphens, underscores, spaces, pound signs, and tabs. If any of these delimiters are found, the displayName is split and all parsed sections (tokens) are confirmed not to be included in the password. Tokens that are less than three characters in length are ignored, and substrings of the tokens are not checked. For example, the name "Erin M. Hagens" is split into three tokens: "Erin," "M," and "Hagens." Because the second token is only one character long, it is ignored. Therefore, this user could not have a password that included either "erin" or "hagens" as a substring anywhere in the password.
- Password must contain characters from at least three of the following five categories:
 - Uppercase characters of European languages (A through Z, with diacritic marks, Greek and Cyrillic characters)
 - Lowercase characters of European languages (a through z, sharp-s, with diacritic marks, Greek and Cyrillic characters)
 - Base 10 digits (0 through 9)
 - Nonalphanumeric characters: ~!@#%&* -+=`\'()\}][:;'"<>.,?/
 - Any Unicode character that is categorized as an alphabetic character but is not uppercase or lowercase. This includes Unicode characters from European languages.

3.4.6 Limited user access to predefined borders

Users can be limited to certain borders.

These settings are done by the Operators and can be modified depending on the necessities of the user.

By limiting the borders that the users have access to, there are limitations also on the actions that the user can do. For example, if a user is limited to certain borders,



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they will only be able to place bids and view data for the borders that they are entitled to.

4. Participant Tasks

E-terraMarket ENTSO-E Capacity Auction software provides market participants with a set of web pages for direct entry and file upload of bids.

When data are directly entered through the web page, the system carries out all necessary data validation and explicit error messages are sent back to the user in case of data rejection.

When data are sent by a market participant through an XML file transfer, then an ENTSO-E acknowledgement document is sent back to the sender.

The web interface of the **E-terraMarket ENTSO-E Capacity Auction** product offers a set of functionalities to the Market participants allowing them to interact with the capacity auction process:

- View the participant's entitlements by corridors and horizons
- View auction specifications (Auction parameters, products, gates, maintenance periods)
- Submit and review default bids
- Submit and review capacity bids
 - ✓ Submit bids through the interactive user interface
 - ✓ Import bids as an XML file using an ENTSO-E Bid document compliant with ECAN version 4 format
- View allocation results (awarded bids)
 - ✓ Display allocation results through the interactive user interface
 - ✓ Export allocation results by displaying or downloading the allocation results through an XML file. This XML file is an ENTSO-E Allocation Result document compliant with ECAN version 4 format
 - ✓ Export allocation results to a CSV file
- Declare and review secondary market notifications
 - ✓ Declare transfer notifications through the interactive user interface
 - ✓ Import transfer notification XML file using an ECAN Rights document v4r0
 - ✓ Confirm transfer notifications through the interactive user interface (Italian borders only)
 - ✓ Declare balancing reservation notifications through the interactive user interface



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- ✓ Import balancing reservation notification XML file using an ECAN Rights document v4r0
- ✓ Display a list of approved transfers
- ✓ Declare resale notifications through the interactive user interface
- ✓ Import resale notification XML file using an ECAN Rights document v4r0
- ✓ Display a list of confirmed resales
- View Capacity right portfolios
- Declare a change on ITR designation for a given auction
 - ✓ Declare a change on ITR designation using the New ITR designation screen
- View the details of Programming Authorizations
- Download files

4.1 ENTITLEMENTS

The entitlements of e-terraMarket ENTSO-E Capacity Auction lets participants know on which auctions they could participate.

The participants could read their entitlements from the UI menu: **Entitlements -> Display.**

The table display the information below:

- Corridor code: Unique code to identify the corridors and the direction (i.e.: FR-BE is an auction from France to Belgium)
- Horizon name: Horizon of the auction (e.g. Yearly, Monthly, Daily, Intraday, Shadow)
- Is entitled?: Checkbox to identify the entitlements
- Effective day: The effective day to participate on the auction
- Termination day: The termination day to participate on the auction

Entitlements

- Long Term
 Daily
 Intraday
 Shadow

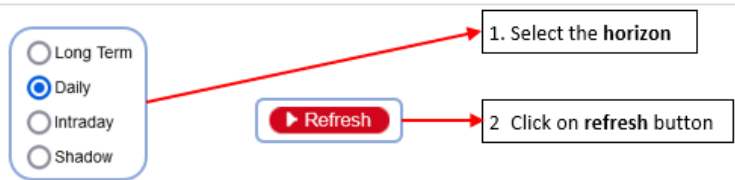
▶ Refresh

Corridor code	Horizon name	Is Entitled?	Effective day	Termination day
AT-CH	Yearly	<input checked="" type="checkbox"/>	2000-01-01 02:00:00	2037-01-01 02:00:00
AT-CH	Monthly	<input checked="" type="checkbox"/>	2000-01-01 02:00:00	2037-01-01 02:00:00
AT-CZ	Yearly	<input checked="" type="checkbox"/>	2000-01-01 05:00:00	2037-01-01 05:00:00
AT-CZ	Monthly	<input checked="" type="checkbox"/>	2000-01-01 05:00:00	2037-01-01 05:00:00
AT-DE	Yearly	<input checked="" type="checkbox"/>	1999-12-31 23:00:00	2036-12-31 23:00:00
AT-DE	Monthly	<input checked="" type="checkbox"/>	1999-12-31 23:00:00	2036-12-31 23:00:00
AT-HU	Yearly	<input checked="" type="checkbox"/>	2000-01-01 05:00:00	2037-01-01 05:00:00
AT-HU	Monthly	<input checked="" type="checkbox"/>	2000-01-01 05:00:00	2037-01-01 05:00:00
AT-IT	Yearly	<input checked="" type="checkbox"/>	2000-01-01 05:00:00	2037-01-01 05:00:00

Figure 15 Entitlements screen

The participants could filter the entitlements by horizon:

Entitlements



Corridor code	Horizon name	Is Entitled?	Effective day	Termination day
AT-CH	Daily	<input checked="" type="checkbox"/>	2000-01-01 05:00:00	2037-01-01 05:00:00
AT-CZ	Daily	<input checked="" type="checkbox"/>	2000-01-01 05:00:00	2037-01-01 05:00:00
AT-DE	Daily	<input checked="" type="checkbox"/>	2000-01-01 00:00:00	2037-01-01 00:00:00
AT-HU	Daily	<input checked="" type="checkbox"/>	2000-01-01 05:00:00	2037-01-01 05:00:00
AT-IT	Daily	<input checked="" type="checkbox"/>	2000-01-01 05:00:00	2037-01-01 05:00:00
AT-SI	Daily	<input checked="" type="checkbox"/>	2000-01-01 05:00:00	2037-01-01 05:00:00
BDL-GB-NL	Daily	<input checked="" type="checkbox"/>	2000-01-01 00:00:00	2037-01-01 00:00:00
BDL-NL-GB	Daily	<input checked="" type="checkbox"/>	2000-01-01 00:00:00	2037-01-01 00:00:00

Figure 16 Entitlements filtering by horizon

4.2 FILE MANAGEMENT

The file management of *e-terraMarket ENTSO-E Capacity Auction* lets participants manage many various files including bid files, secondary market notification documents.

The capacity auction process relies on the reception and the transmission of several files. Participants can upload and download some of them.

The list is displayed below:

Tag	Sender	Receiver	Format	Document
Bid for capacity	CT	JAO	ECAN	Bid Document
Auction results (CT)	JAO	CT	ECAN	Allocation results
Transfer Notification	CT	JAO	ECAN	Rights document
Approved Transfer (CT)	JAO	CT	ECAN	Rights document
Return Notification	CT	JAO	ECAN	Rights document
Capacity Right Portfolio (CT)	JAO	CT	ECAN	Rights document
Programming Authorizations (CT)	JAO	CT	ECAN	Rights document
Day-ahead MIN AAC	JAO	CT	ECAN	Rights document
Day-ahead MAX AAC	JAO	CT	ECAN	Rights document
Balancing reservation Notification	CT	JAO	ECAN	Rights document

Figure 17 Capacity auction files

4.2.1 File Upload

- ▶ To upload a file (such as a Bid File):
 - Go to the menu File > Upload.

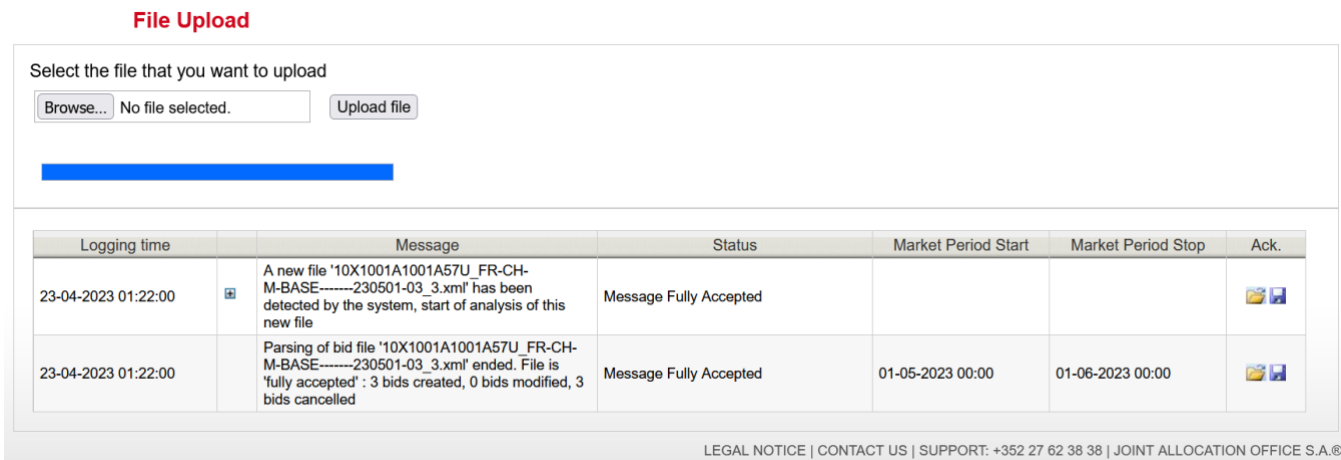


Figure 18 File upload screen

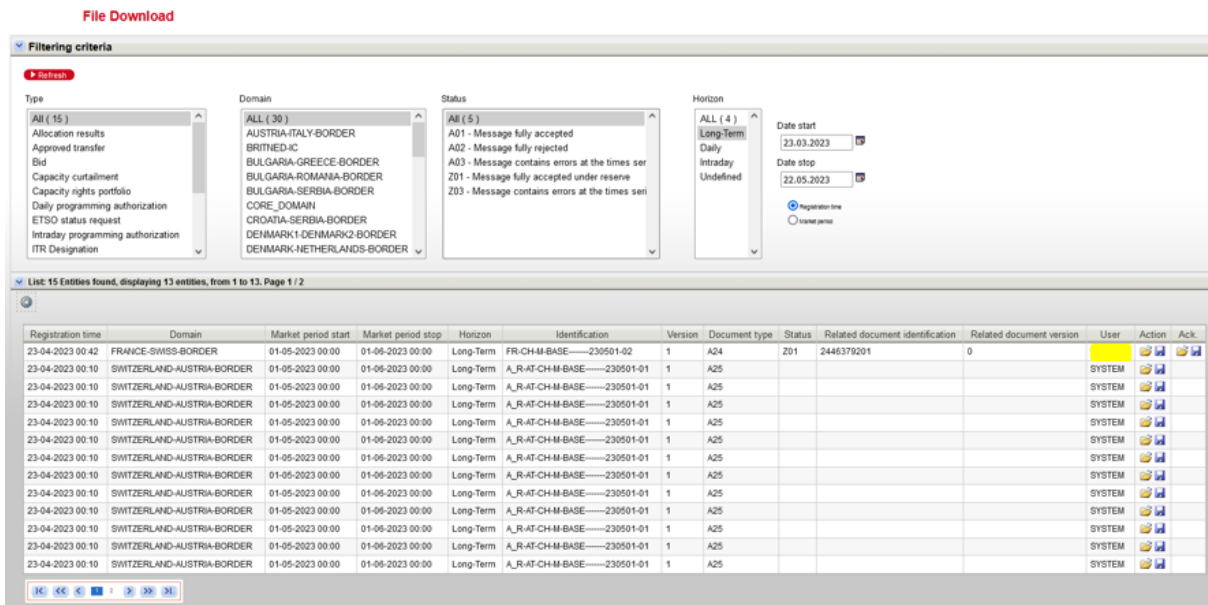
- Click on the *Browse* button
- An Open pop-up allows the selection of the file to be uploaded
- The name of the selected file appears in the field.
- Click on the *Upload* button
- The log table displays information about the finished upload and its status.
 - Logging time: Date of log process
 - Message: Log message about upload
 - Status: Message Fully Accepted / Message Fully Accepted under reserve / Message Fully Rejected
 - Market Period Start/Stop: target period of the auction
 - Ack.: Acknowledgement of the imported file

4.2.2 File Download

The File download screen provides access to all documents available in the capacity auction system to which participants have legitimate rights: their bids, the allocation results, their secondary market notifications, their capacity right portfolios and the related acknowledgement files when applies.

To display information about downloadable files:

- Go to File > Download



File Download

Filtering criteria

Type: All (15)
Allocation results
Approved transfer
Bid
Capacity curtailment
Capacity rights portfolio
Daily programming authorization
ETSO status request
Intraday programming authorization
ITR Designation

Domain: ALL (30)
AUSTRIA-ITALY-BORDER
BRITNED-IC
BULGARIA-GREECE-BORDER
BULGARIA-ROMANIA-BORDER
BULGARIA-SERBIA-BORDER
CORE_DOMAIN
CROATIA-SERBIA-BORDER
DENMARK1-DENMARK2-BORDER
DENMARK-NETHERLANDS-BORDER

Status: All (5)
A01 - Message fully accepted
A02 - Message fully rejected
A03 - Message contains errors at the times ser
Z01 - Message fully accepted under reserve
Z03 - Message contains errors at the times ser

Horizon: ALL (4)
Long-Term
Daily
Intraday
Undefined

Date start: 23.03.2023
Date stop: 22.05.2023
 Registration time
 Invoice period

List: 15 Entities found, displaying 13 entities, from 1 to 13, Page 1 / 2

Registration time	Domain	Market period start	Market period stop	Horizon	Identification	Version	Document type	Status	Related document identification	Related document version	User	Action	Ack
23-04-2023 00:42	FRANCE-SWISS-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	FR-CH-M-BASE-----230501-02	1	A24	Z01	2446379201	0			
23-04-2023 00:10	SWITZERLAND-AUSTRIA-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	A_R-AT-CH-M-BASE-----230501-01	1	A25				SYSTEM		
23-04-2023 00:10	SWITZERLAND-AUSTRIA-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	A_R-AT-CH-M-BASE-----230501-01	1	A25				SYSTEM		
23-04-2023 00:10	SWITZERLAND-AUSTRIA-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	A_R-AT-CH-M-BASE-----230501-01	1	A25				SYSTEM		
23-04-2023 00:10	SWITZERLAND-AUSTRIA-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	A_R-AT-CH-M-BASE-----230501-01	1	A25				SYSTEM		
23-04-2023 00:10	SWITZERLAND-AUSTRIA-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	A_R-AT-CH-M-BASE-----230501-01	1	A25				SYSTEM		
23-04-2023 00:10	SWITZERLAND-AUSTRIA-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	A_R-AT-CH-M-BASE-----230501-01	1	A25				SYSTEM		
23-04-2023 00:10	SWITZERLAND-AUSTRIA-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	A_R-AT-CH-M-BASE-----230501-01	1	A25				SYSTEM		
23-04-2023 00:10	SWITZERLAND-AUSTRIA-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	A_R-AT-CH-M-BASE-----230501-01	1	A25				SYSTEM		
23-04-2023 00:10	SWITZERLAND-AUSTRIA-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	A_R-AT-CH-M-BASE-----230501-01	1	A25				SYSTEM		
23-04-2023 00:10	SWITZERLAND-AUSTRIA-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	A_R-AT-CH-M-BASE-----230501-01	1	A25				SYSTEM		
23-04-2023 00:10	SWITZERLAND-AUSTRIA-BORDER	01-05-2023 00:00	01-06-2023 00:00	Long-Term	A_R-AT-CH-M-BASE-----230501-01	1	A25				SYSTEM		

Figure 19 File Download screen

- ▶ To filter the data in the Download screen:
 - In Filtering Criteria frame.
 - Select the Document Type
 - Select Domain
 - Select Status
 - Select Horizon
 - Select Start Date and Stop Date

- If Registration time is checked it will be the dates of a period that intersects with the day the searched files were submitted or generated
 - If Market period is checked, it will be the dates of a period that intersects with the Market period of the searched files
- Click on the *Refresh* button in the top left corner of the Filtering criteria frame.

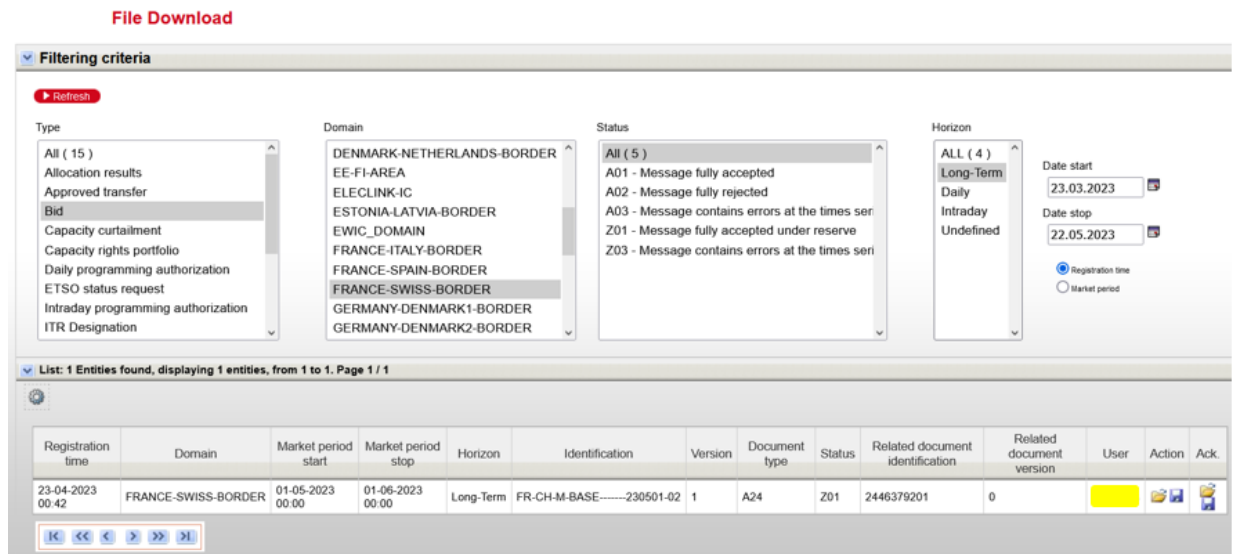




Figure 20 File Download screen after filtering

Download screen fields table:

Document Report / Field Name	Description
Registration time	Date of reception of the file by the capacity auction system
Domain	Domain belonging to the file
Market period Start	Start delivery date
Market period Stop	Stop delivery date

Horizon	Time horizon
Identification	Identification of the document
Version	Version of the document
Document Type	Document Type (Bid => Bid document)
Status	Document Status after upload
Related document identification	Identification of the acknowledgement file generated by the capacity auction system to external users (participants).
Related document version	Acknowledgment version
User	Sender user of the document
Action	Folder icon ( <p>► To view the document in the Download screen:</p> <ul style="list-style-type: none"> • Click on Folder icon () in Action • The document is displayed through a Document viewer

TIME SERIES ALLOCATION RESULT DOCUMENT

Document Identification		Version	Date and Time		Document Type			
A_R-FR-CH-M-BASE-----230501-02		1	2023-04-22T22:47:00Z		Allocation Result document			
Sender	Role	Receiver	Role	Bid Start and End Date	Domain	SubjectParty	SubjectRole	
10X1001A1001A57U	TCA	11XDANSKECOM---P	CT	2023-04-30T22:00Z/2023-05-31T22:00Z	10YDOM--CH-FR--W	11XDANSKECOM---P	CT	
TS Id.	Auction Id.	Type	Area (In/out)	Contract	Contract Id.	Unit	Currency	Unit Price
AllocationResults_TS_96178747	FR-CH-M-BASE-----230501-02	EXT	10YCH-SWISSGRIDZ.10YFR-RTE-----C.	Monthly	300423DP-FR-CH-LB02	MW	EUR	MWH
BidDocument ID		BidDocument version			Bid ID	Business type		
FR-CH-M-BASE-----230501-02		2			BID00019-FR-CH	A03		
Period Begin and End Date/Time				Resolution				
2023-04-30T22:00Z/2023-05-31T22:00Z				P1M				
Position	Quantity	Price Amount	Bid Quantity	Bid Price Amount				
1	23.0	0.0	23.0	0.93				

Figure 21 Action: open a file through the file viewer

- ▶ To save the document in its original format, in the Download screen:
 - Click on Floppy icon (📁) in Action
 - A File download pop-up opens

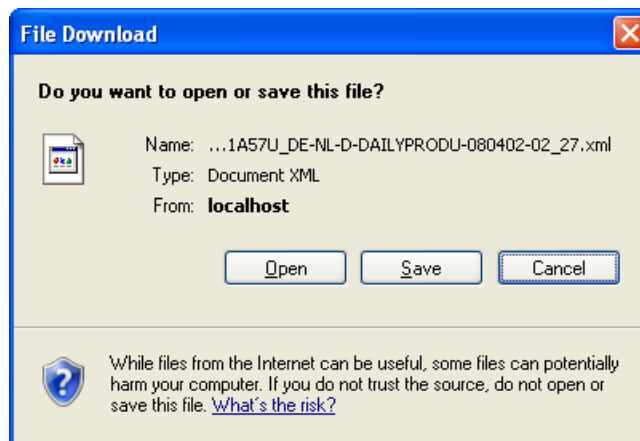


Figure 22 Action: open/save a file in its original format

- ▶ To view the contents of the acknowledgement file in the Download screen:
 - Click on Folder icon (📁) in column Acknowledgement
 - The document is displayed through a Document viewer

ACKNOWLEDGEMENT MESSAGE

Message Identification	Date and Time	Receiving Message Identification	Receiving Message Version	Receiving Payload Name
1811625107	2023-04-22T23:22:00Z	FR-CH-M-BASE-----230501-03	4	

Sender	Role	Receiver	Role
10X1001A1001A57U	TCA	11XDANSKECOM---P	CT

MESSAGE ACKNOWLEDGEMENT STATUS

Reason Code	Reason Title	Reason Text
A01	Message Fully Accepted	

GLOBAL TIME SERIES INTERVAL ERRORS

TIME SERIES THAT HAVE BEEN REJECTED OR MODIFIED

Figure 23 Acknowledgment / Action: open an acknowledgement file through the viewer

- ▶ To open/save acknowledgement in its original format from the Download screen:
 - Click on Floppy icon (📁) in column Acknowledgement
 - A File download pop-up opens

4.3 AUCTION MANAGEMENT

Auction creation gate process:

- At the closure of the ‘Auction creation’ gate, the Auction Specification becomes public.
- The auction status is changed to ‘Published’.
- Market Participants can view the auctions through the Participant UI.

ATC submission and ATC publication gates process:

- During the ‘ATC submission’ gate, TSOs should submit the declaration of ATC.
- At the closure of the ‘ATC publication’ gate, the ATC is published on JAO’s website and ENTSO-E Transparency Platform.
- If a LT Resale gate exists, Offered capacity is published first at the LT resale gate closure on JAO’s website and ENTSO-E Transparency Platform, and at every change of capacity between the LT resale gate and ATC submission gate closure.

In e-terraMarket ENTSO-E Capacity Auction, the life cycle of an auction is controlled by a set of states as described in the UML activity diagram below:

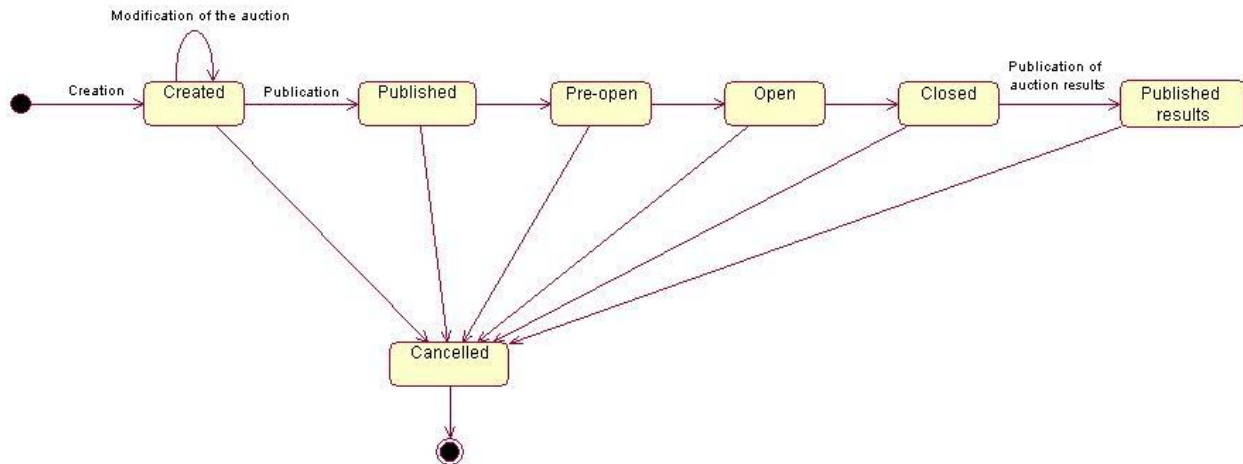


Figure 24 Auction lifecycle diagram

The auction states are described below:

State name	Description
Published	The auction becomes public, and market participants can view the auction. System operators can no longer modify the attributes of the auction.
Pre-Open	An auction is in 'Pre-Open' state during the 'Pre-Bidding' gate
Open	An auction is in 'Open' state as soon as 'Bid submission' gate opens and while 'Bid submission' gate is not closed.
Closed	An auction is in 'Closed' state as soon as 'Bid submission' gate closes and while auction results are not published.
Published results	The provisional auction results become public; they must be available in the participant interface. Results become final by expiration of contestation period.
Cancelled	An auction can be cancelled even if the auction results have been published. An auction which has been cancelled cannot be restored. A cancelled auction can no longer be modified by system operators. All gates of a cancelled auction are suspended. This is a final state.

► To access the Auction Display screen:

- Go to Auction menu

N.B.: Auctions cannot be modified by market participants.

Auction

Credit Limit per horizon:
 * Credit limit is displayed by considering the auction of a given horizon having the closest bid submission gate closing. If you would like to see the credit limit for a specific auction this is displayed on the bid screen after having selected the auction.
 Intraday: 83973856.98 EUR Daily: 83973856.98 EUR Less than a month: N/A Monthly: 83973856.98 EUR More than a month: N/A

Filtering criteria

[Refresh](#)

AT-CH
 AT-CZ
 AT-DE
 AT-HU
 AT-IT
 AT-SI

Published
 Open
 Closed
 Published results
 Suspended
 Cancelled

Horizon: Year: Month:

List: 1 Entities found, displaying 1 entities, from 1 to 1. Page 1 / 1

Corridor	Horizon	Market Period Start	Market Period Stop	Auction identification	Nb of Bids	Current state	Bid time left	Action
FR-CH	Monthly	01-05-2023 00:00	01-06-2023 00:00	FR-CH-M-BASE-----230501-03	3	Open	00d/00h/02m	New/Edit Bids View Bids

Details

Auction identification Auction parameters Bidding parameters Gates Products Allocation Constraints Maintenance Periods Comments

Auction identification		Auction state	
		State name	Creation time
Auction identification :	FR-CH-M-BASE-----230501-03	Created	23-04-2023 01:20
Corridor :	FR-CH	Published	23-04-2023 01:21
Market period :	01-05-2023 00:00 / 01-06-2023 00:00	Pre-open	23-04-2023 01:21
Horizon :	Monthly	Open	23-04-2023 01:22

Figure 25 Auction Display Screen

Participants can filter the auctions they want to display using the Filtering criteria pane.

► To filter the listed auctions:

- In Filtering criteria, select
 - **Corridor** (Multiple selections are allowed by clicking on Ctrl)
 - **Auction state** (Published, Pre-open, Open, Closed, Published results, Cancelled) (Multiple selections are allowed). At the first opening of the screen, the default selected values are “Pre-open” and “Open”. If the user changes the selected values for auction state filter, then next opening of the screen will use these values.
 - **Horizon** (Multiple selections are not allowed)
- Click on *Refresh* button

Auctions matching the search criteria are listed in the List pane with the following information:

Column	Description
Corridor	The names of the border cross section for which the auction is defined.
Horizon	The type of time horizon (Yearly, Monthly, Daily, Intraday).
Market period start	Delivery start
Market period stop	Delivery stop
Auction identification ⁽¹⁾	Identification of the auction : the reference for the bids to be submitted
Nb of Bids	If the auction is opened or pre-opened: number of valid (Fully Accepted) bids already submitted by the connected Trader on this auction
Current state	Current state of the auction (Published, Pre-open, Open, Closed, Published results, Canceled)
Bid Time Left	Display the remaining time before 'Bid submission' gate closure in case the auction is marked as open or pre-open. It is the remaining time for bidding before auction closure.
Action	<p>This column contains two icons:</p> <ul style="list-style-type: none"> • New/Edit Bids: open the Bid matrix screen in edit mode to declare new Bids or to modify/cancel Bids on the selected auction. This icon is available only if the auction is Pre-open or Open. • View Bids: open the Bid matrix screen in read-only mode to display Bids for the selected auction. This icon is available whatever the auction state.

Corridor	Horizon	Market Period Start	Market Period Stop	Auction identification	Nb of Bids	Current state	Bid time left	Action
FR-CH	Monthly	01-05-2023 00:00	01-06-2023 00:00	FR-CH-M-BASE-----230501-01	0	Published results		<input type="button" value="View Bids"/>
AT-CH	Monthly	01-05-2023 00:00	01-06-2023 00:00	AT-CH-M-BASE-----230501-01	20	Published results		<input type="button" value="View Bids"/>
FR-CH	Monthly	01-05-2023 00:00	01-06-2023 00:00	FR-CH-M-BASE-----230501-02	20	Published results		<input type="button" value="View Bids"/>
FR-CH	Monthly	01-05-2023 00:00	01-06-2023 00:00	FR-CH-M-BASE-----230501-03	3	Open	00d/00h/02m	<input type="button" value="New/Edit Bids"/> <input type="button" value="View Bids"/>

Figure 26 Bid Time Left and Action in Auction Screen

(1) Auction identification: the reference of the auction to be used when submitting a bid. The auction ID has a naming convention:

- ◆ Corridor code on 5 characters (e.g., 'FR-BE') « - »
- ◆ Horizon code on 1 character (Y for Yearly, M for Monthly, D for Daily, I for Intraday) « - »
- ◆ Product label:
 - On 6 characters for IFA1, IFA2, Eleclink, BritNed and Nemo Link interconnectors (e.g. Base product = "BASE--", On peak product = "PEAK--", Off peak product = "OFFPK-", daily product = "DAILY-", shadow product = "SHADOW", intraday product = "ID0024" or "ID1424" or "ID1624")
 - On 10 characters for all other allocation corridors (e.g. Base product = "BASE-----", On peak product = "PEAK-----", Off peak product = "OFFPEAK---", daily product = "DAILYPRODU", shadow product = "SHADOW----", intraday product = "HOURLY0024" or "HOURLY1624")
- ◆ Start day of the delivery period of the auction on 6 digits: format is YYMMDD where YY is the year, MM is the month, and DD is the day of the year « - »
- ◆ Sequence number on 2 digits (starting by 1 and incremented in case of multi-rounds auction or auction cancellation)
- ◆ Example: FR-BE-M-BASE-----160201-01

By default, the auction list is sorted by increasing Bid time left.

More information can be displayed on an auction once selected from the list and scrolling down to the Details pane.

► When selecting an auction in List pane, Details pane is updated automatically

To improve readability, detailed information is organized in tabs.

The various tabs displayed are described below.

4.3.1 Auction identification

The "Auction identification" tab provides the same information as found in the list, along with a timetable summarizing the life cycle of the auction.

► In this tab, all the identification information of the selected auction is displayed.

Auction identification		Auction state	
Auction identification :	FR-CH-M-BASE-----230501-03	State name	Creation time
Corridor :	FR-CH	Created	23-04-2023 01:20
Market period :	01-05-2023 00:00 / 01-06-2023 00:00	Published	23-04-2023 01:21
Horizon :	Monthly	Pre-open	23-04-2023 01:21
		Open	23-04-2023 01:22
		Closed	23-04-2023 01:24
		Published results	23-04-2023 01:25

Figure 27 Auction identification

- In Auction identification part
 - **Auction identification**: the reference needed for all the bids
 - **Corridor**
 - **Market Period** with the start/stop date
 - **Horizon** (Monthly, Daily...)
- In Auction state there is the history of all the status of the auction with the state creation time. The last row in the list corresponds to the current state of the auction.

4.3.2 Auction Parameters

► In this tab, all the auction parameters information of the auction selected are displayed. All fields are read-only.

Auction type		Pricing parameters	
Auction type	Sealed	Price unit of measurement	MWH
Allocation mechanism	Merit Order	Reserve price	N/A EUR/MWH
		Pricing procedure	Uniform price
Transfer parameters		Capacity percentage	
Resale allowance	<input checked="" type="checkbox"/>	ATC percentage	100.0 %
Transfer allowance	<input checked="" type="checkbox"/>		
Resale rule	Use-It-Or-Sell-It for unused LT capacity that is resold to daily auction		
Credit Limits Parameters			
Credit limit checking	<input checked="" type="checkbox"/>		
Bid rejection at bidding time	<input type="checkbox"/>		
Period to be secured	23-04-2023 / 01-07-2023		
X/N rule	1/1		

Figure 28 Auction Parameter

- In Auction Type part, the information displayed are:
 - **Auction Type:** Sealed
 - **Allocation mechanism:** Merit Order
- In Pricing parameter's part:
 - **Price measure unit** (MWh) : configured for the corridor of the auction
 - **Pricing procedure:** Uniform price
- In Transfer parameter's part:
 - Transfer parameter **Resale allowance** tells if Resale is allowed from yearly auction to monthly auction.
 - Transfer parameter **Transfer allowance** tells if Transfer is allowed. It can only be done on yearly and monthly auctions.
 - Transfer parameter **Resale rule** tells if unused LT capacity is resold to daily auction (UIOSI principle)
- In Capacity percentages (ATC percentage = 100%)
- In Credit limit parameter's part:
 - **Credit limit checking** parameter tells if financial guarantees are checked for the given auction.
 - **Bid rejection at bidding time** tells if bids can be rejected due to lack of credit limit.
 - **Period to be secured**
 - **X/N rule** parameter is applied for long-term auction products with more than one month

4.3.3 Bidding Parameters

► In this tab, all the bidding parameters information of the auction selected are displayed. All fields are read-only.

Auction identification	Auction parameters	Bidding parameters	Gates	Products	Allocation Constraints	Auction results	Maintenance Periods	Comments
Bids and blocks								
Maximum number of bids			20					
Coupled bids allowance			No					
Bid quantity								
Maximum participant rate			100.0 %			Bid price		
Maximum quantity			MW			Currency		
Bid quantity increment			1			Bid price increment		
						0.01 EUR/MWH		

Figure 29 Bidding Parameter



- Define Bids & blocks:
 - **Maximum number of bids** the connected participant can submit for each corridor of the auction
 - Checked if **Coupled bids** are allowed
- Define Bid quantity
 - **Maximum participant rate**: 100%
 - **Maximum quantity**: MW
 - **Bid quantity increment** (the bid quantity must be a multiple of this quantity)
- Define Bid price
 - **Currency**: Euro
 - **Bid price increment**. Bid price must be a multiple of this value.

4.3.4 Auction Gates

In **e-terraMarket** *ENTSO-E Capacity Auction*, some processes are triggered at the opening or the closure of auction gates such as auction publication, auction clearing or auction results processing.

► In this tab, all information about the various gates, linked to the selected auction, are displayed. All fields are read-only.

Details

Auction identification Auction parameters Bidding parameters **Gates** Products

Name	Opened	Open time	Closed	Closure time
Auction creation	YES	23-04-2023 01:20	YES	23-04-2023 01:21
ATC publication	YES	23-04-2023 01:20	YES	23-04-2023 01:22
Default Bidding	YES	23-04-2023 01:20	YES	23-04-2023 01:22
ATC submission	YES	23-04-2023 01:20	YES	23-04-2023 01:22
LT Resale	YES	23-04-2023 01:20	YES	23-04-2023 01:22
Auction cancellation	YES	23-04-2023 01:20	NO	
Pre-bidding	YES	23-04-2023 01:21	YES	23-04-2023 01:21
Bid submission	YES	23-04-2023 01:22	YES	23-04-2023 01:24
Auction evaluation	YES	23-04-2023 01:24	YES	23-04-2023 01:25
Dispute submission	YES	23-04-2023 01:26	NO	23-04-2023 01:27

Figure 30 Auction Gate

The Gate list is displayed with the following information:

Column	Description
Name	Gate name
Opened	Yes / No
Open time	Open date Format is “DD-MM-YYYY hh:mm”, local time.
Closed	Yes / No
Closure time	Closure date Format is “DD-MM-YYYY hh:mm”, local time.

4.3.5 Products

► In this tab, all the Products information of the selected auction are displayed. All fields are read-only.

Auction identification	Auction parameters	Bidding parameters	Gates	Products
------------------------	--------------------	--------------------	-------	-----------------

Identification	Name
BASE-----	Every day 00:00-24:00

Figure 31 Products

4.3.6 Allocation Constraints

► This tab display information of the ATC released capacity and Offered Capacity.

▼ **Details**

Auction identification	Auction parameters	Bidding parameters	Gates	Products	Allocation Constraints
------------------------	--------------------	--------------------	-------	----------	-------------------------------

Technical Profile Name	Product Identification	Product Name	Offered Capacity (MW)	Released Capacity (MW)	ATC (MW)
FR > CH	BASE-----	Every day 00:00-24:00	1000.0		1000.0

Figure 32 The allocation Constraints tab

The allocation constraints tab displays the following information:

Column	Description
Technical Profile Name	The related Corridor of the auction (e.g., FR-CH)
Product identification	The related product (e.g., BASE, Peak, Off-peak...)
Product name	The product name (e.g., Every day 00:00-24:00, On peak, Off peak...)
Offered Capacity (MW)	The offered capacity
Released Capacity	The resold capacity
ATC (MW)	The available capacity

4.3.7 Auction Results

► Auction results tab must be visible only when auction results have been published: the current state of the auction must be “Published results”.

This tab displays the main auction results of the current auction. So, one row in the list corresponds to a product. Only products corresponding to the current auction are displayed.

Allocation Border	Product identification	Product Name	Offered Capacity (MW)	Requested Capacity (MW)	Allocated Capacity (MW)	Auction Price (EUR/MWh)	Shadow Prices
FR-CH	BASE-----	Every day 00:00-24:00	1000.0	418.0	418.0	0.0	Detail

Figure 33 Auction Results

The Auction results list is displayed with the following information:

Column	Description
Allocation Border	Allocation Border on which capacity was offered
Product identification	Identification
Product Name	Name of the product
Offered Capacity (MW)	Offered Capacity (is expressed in MW).
Requested capacity (MW)	Requested Capacity (is expressed in MW). Sum of the bids (total demand)
Allocated capacity (MW)	Allocated capacity (is expressed in MW). Total allocated capacity for all participants.
Auction price (EUR/MWh)	Marginal price (is expressed in EUR/MWh): Equals to zero if demand is lowest than the offered capacity. Otherwise equals to the price of the last awarded bid.

4.3.1 Maintenance Periods

► Maintenance Periods tab displays the list of the reduction periods of the selected auction.

Technical Profile	Start	Stop	Offered capacity	Released capacity	ATC (MW)	Comment
GB > IE	01-05-2023 00:00	10-05-2023 00:00	100.0	0.0	100.0	Bipole maintenance

Figure 34 Reduction Periods

The Reduction Periods list is displayed with the following information:

Column	Description
Start	Start date and time of the reduction period
Stop	Stop date and time of the reduction period
Offered capacity (MW)	Reduced Offered Capacity over the given reduction period (is expressed in MW).
Released capacity (MW)	Equals to zero if no resale was performed. Equals to zero if the selected auction is not a monthly auction. Sum of capacity resold from yearly capacity rights to the selected monthly auction
ATC (MW)	Declared reduced ATC over the given maintenance period (is expressed in MW).
Comment	Comment concerning the related maintenance period

4.3.2 Comments

A comment can be added by the system operator and viewed by the participant

Auction identification	Auction parameters	Bidding parameters	Gates	Products	Allocation Constraints	Maintenance Periods	Comments

Figure 35 Comments

4.4 BID MANAGEMENT

E-terraMarket ENTSO-E Capacity Auction provides the participant to display all bids whose bidder party corresponds to the party represented by the connected user.

The submission of bids to the ECAT system by Market Participants can be done in two ways:

- Entering the bids through the web interface on the “New/Edit Bids” screen.
- Uploading a Bid document compliant with the ECAN specification, version 4r0. In this case an acknowledgment is sent back to the Capacity Trader.

4.4.1 Bid states

The life cycle of a bid is controlled by a set of states as described in the UML activity diagram below:

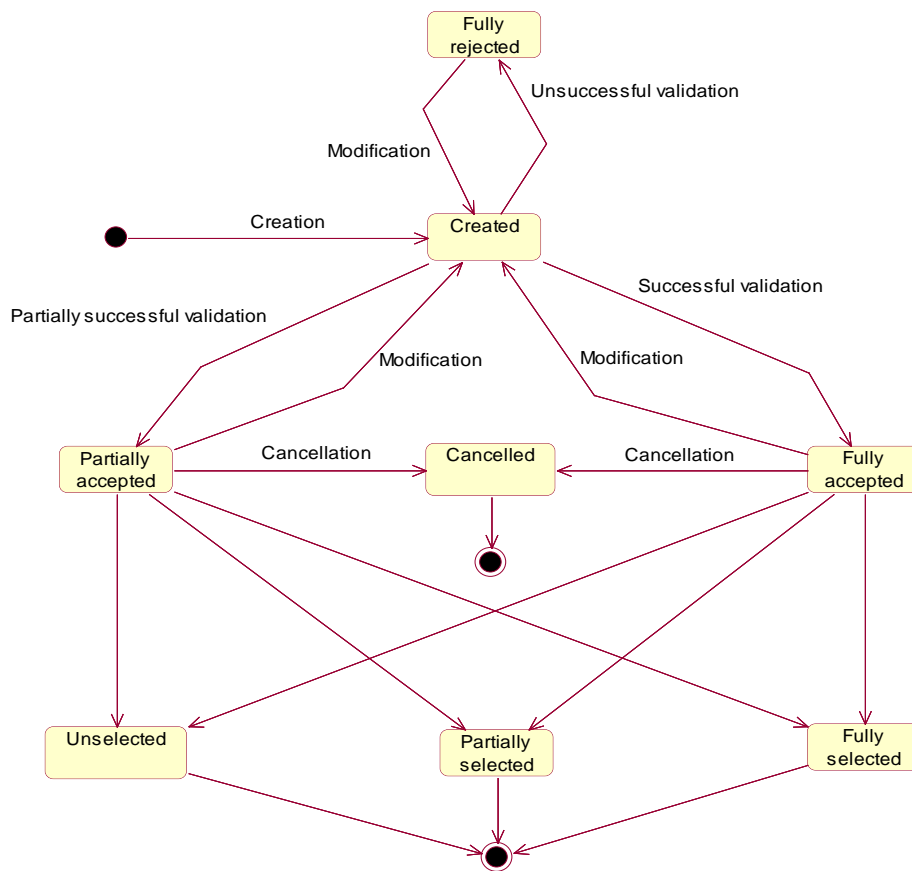


Figure 36: Bid state diagram

The bid states are described below:

State name	Description
Created	This is the initial state of a bid. This is a temporary state; this state is valid only during bid submission. At the end of the submission, bids are validated automatically by the Bid upload process, and they get into 'Fully accepted', 'Partially accepted' or 'Rejected' state.
Fully accepted	A bid which has passed all the validation checks without any error: all time intervals (bid blocks) have been fully accepted. If a new version of this bid is submitted, then the modified bid must pass the validation checks again, so the bid must get into 'Created state' again. If the bid is cancelled, then the bid gets into 'Cancelled' state.
Fully accepted with warning on credit limit exceeded	Sub-status of Fully accepted: A bid which has passed all the validation checks without any error: all time intervals (bid blocks) have been fully accepted. However, if all accepted bids are selected, the resulting value of the credit limit is negative. If a new version of this bid is submitted, then the modified bid must pass the validation checks again, so the bid must get into 'Created state' again. If the bid is cancelled, then the bid gets into 'Cancelled' state.
Partially accepted	A bid which has passed the validation checks with some errors on specific bid blocks: some bid blocks have been accepted whereas some bid blocks have been rejected. If a new version of this bid is submitted, then the modified bid must pass the validation checks again, so the bid must get into 'Created state' again. If the bid is cancelled, then the bid gets into 'Cancelled' state.
Partially accepted with warning on credit limit exceeded	Sub-status of Partially accepted: A bid which has passed the validation checks with some errors on specific bid blocks: some bid blocks have been accepted whereas some bid blocks have been rejected. However, if accepted bids are selected, the resulting value of the credit limit is negative. If a new version of this bid is submitted, then the modified bid must pass the validation checks again, so the bid must get into 'Created state' again. If the bid is cancelled, then the bid gets into 'Cancelled' state.
Fully rejected	If a bid is submitted for the first time and if this bid is fully

	rejected, then such a bid will never be created in the system. If a new version of a valid Bid (fully accepted or partially accepted) is submitted, and if this new version is fully rejected by the validation checks, then this Bid shall move in 'Fully rejected' state. Such a bid can be resubmitted in a new version and pass the validation checks again; in this case the bid must get into 'Created state' again.
Cancelled	Fully accepted bids or partially accepted bids can be cancelled during the 'Bid submission' gate of the auction. This is a final state.
Fully selected	During the allocation of capacity (clearing phase), if all the bid blocks are fully selected by the allocation algorithm (all the requested capacity is fully selected), then the bid moves into a 'Fully selected' state. This is a final state.
Partially selected	During the allocation of capacity, if only a part (but not all) of the requested capacity is selected by the allocation algorithm (not all the requested capacity is selected), then the bid moves into a 'Partially selected' state. This is a final state.
Unselected	During the allocation of capacity, if for all the bid blocks no quantity is selected then the bid moves into an 'Unselected' state. This is a final state.

4.4.2 Bid Submission checks

To be integrated by the eCAT system, bids must abide by the following rules:

- Bids must be received before closure of the 'Bid submission' gate.
- Participants must own an entitlement for the directed border and for the horizon of the auction.
- A Bid document should contain all the Bids on one single auction.
- If other users from the same company previously placed bids on corridors for which the user doesn't have entitlements, the bid placed earlier should be present and unchanged in the submitted bid document (no creation/modification/deletion of bids for corridors without entitlements)
- For a given corridor on an auction, participants cannot bid for more than the offered capacity.
- For a given auction, participants cannot bid for more than the maximum participant rate which is a percentage of the offered capacity whose



default value is defined in the bidding parameters of the auction and thus declared in the auction specification

- The number of Bids for each corridor of a defined auction must be lower than the Maximum number of Bids declared in the auction specification.
- Bid price must be a multiple of the Bid Price Increment if any was defined in the auction specification
- Bid price must be equal or higher than the reserved price of the auction
- Bid quantity must be a multiple of the Bid Quantity Increment if any was defined in the auction specification
- The Bid currency must be Euro.
- The unit of measurement for Bid price must be MWH
- Credit limit must be higher than total bid price, when Credit Limit checking parameter is enabled for the given auction (*)
- The bid certificate for the bid signature must be the correct one

During the **Pre-Bidding** gate, capacity traders may submit bids (**pre-bids**) but some checks will not be performed until the bidding gate opens:

- Sum of bid quantities are not checked against Offered capacity as ATC may still change during the pre-bidding phase
- Financial guarantees are not checked (*)

When the Bid Submission gate opens, above checks are performed on pre-bids along with all other checks already performed when they were submitted. Pre-bids will be rejected if they fail those validations.

(*) See next section on credit limit checking

4.4.3 Credit Limit checking

“Bank guarantees” – Registered Participant can provide JAO with a collateral in form of the bank guarantee. Bank Guarantees must be manually registered in the Auction system by JAO.

“Deposits” - The capacity auction system gets periodic reporting from the Bank about the balance account (BA) of Trader’s business account.

“Potential Liabilities” of a trader are determined as the sum of values of bids (based on the bid price) already submitted:

- On monthly auctions whose clearing gate is not opened yet
- On yearly auctions whose clearing gate is not opened yet
 - in this case liabilities may be set as 2/12 of the values of bids (based on the Bid price) already submitted. This happens only when there is no

possibility to invoice potential capacities in advance (otherwise 1/12 is used).

“Actual Liabilities” of a trader are determined as the sum of values of bids fully or partially selected (based on the Auction price) already submitted:

- On monthly auctions whose Auction evaluation gate is closed
- On yearly auctions on yearly auctions whose Auction evaluation gate is closed
 - o in this case liabilities may be set as 2/12 of the values of bids (based on the Auction price) already submitted. This happens only when there is no possibility to invoice potential capacities in advance (otherwise 1/12 is used).

“Credit Limit” is available amount of money that can be used by the trader for future bidding. Credit Limit is calculated as:

$$\text{Credit Limit} = \text{Bank Guarantees} + \text{Deposits} - \text{Actual Liabilities}$$

Some auctions may allow conditional acceptance of bids even when Credit Limit is not sufficient (liabilities of newly submitted bids are higher than Credit Limit). In such cases a warning with missing amount of money is issued in the acknowledgement file upon receipt of those new bids. The trader has an option to update value of bids, increase Deposits on bank account or increase Bank guarantees. If no action is done and Credit Limit is still not sufficient at the end of Bidding period (before the clearing is run) bids are rejected one by one starting with the one having the lowest price until Credit Limit is sufficient.

4.4.4 New Bid Creation through UI

When bids are directly entered through the web page, the system carries out all necessary data validation.

Through the auction screen, participants can submit new bids for a selected auction. To do this, in Auction screen, the User must select an auction in Auction list and then click on ‘New/Edit Bids’ button in column Action.

Users can also create new bids through submenu ‘New/Edit bids’ in Bid menu.



Figure 37 New/Edit Bids submenu

The “New/Edit Bids” screen displays all the bids for a given auction on the same screen, as a matrix.

In this way, the User can submit several Bids to a given auction at the same time and in a single step.

The presentation differs according to the horizon of the auction:

- Intraday/Daily auctions: bids are displayed in columns and products are displayed in rows by corridor
- Long-Term auctions: bids are displayed in rows and the corridor is displayed in column.

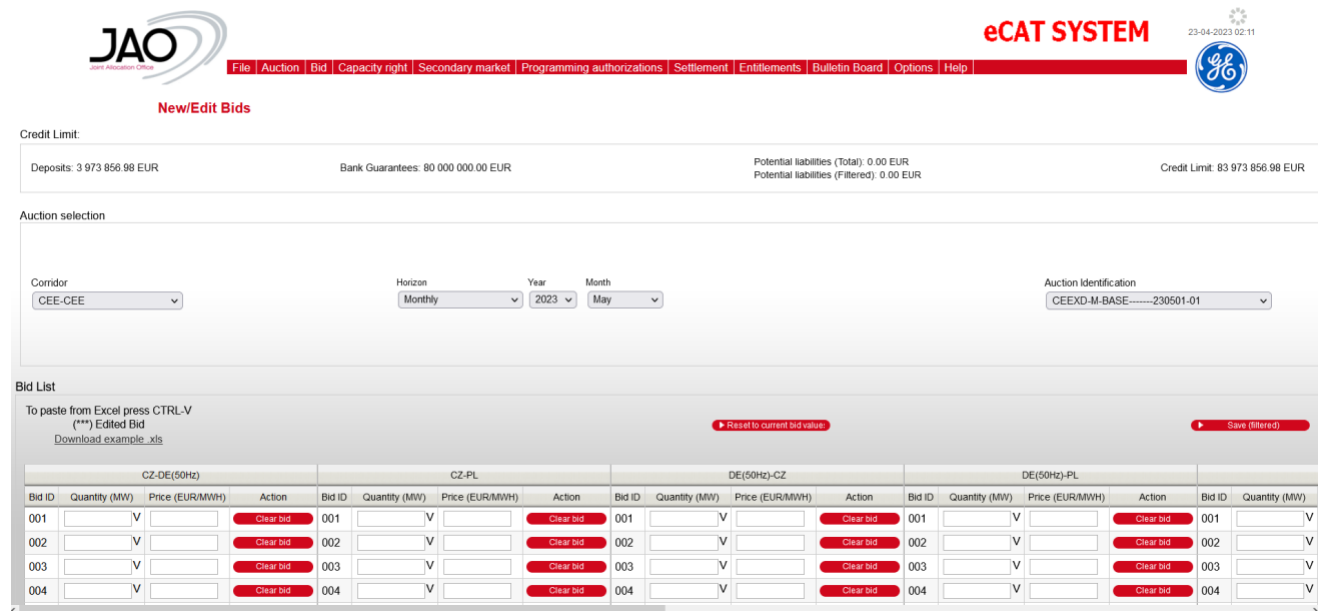
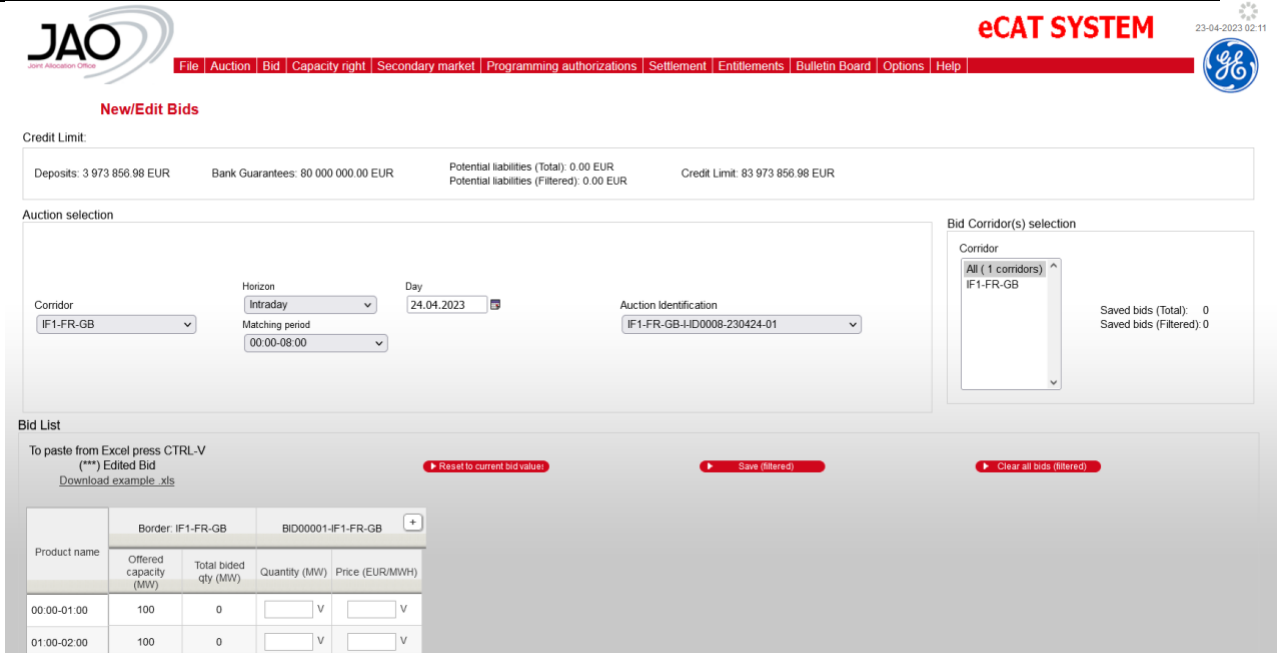


Figure 38 Bid Creation on a CEE LT Auction



ecAT SYSTEM 23-04-2023 02:11

New/Edit Bids

Credit Limit:

Deposits: 3 973 856.98 EUR Bank Guarantees: 80 000 000.00 EUR Potential liabilities (Total): 0.00 EUR Credit Limit: 83 973 856.98 EUR
 Potential liabilities (Filtered): 0.00 EUR

Auction selection

Corridor: IF1-FR-GB Horizon: Intraday Day: 24.04.2023 Auction Identification: IF1-FR-GB-I-ID0008-230424-01

Matching period: 00:00-08:00

Bid Corridor(s) selection

Corridor: All (1 corridors) / IF1-FR-GB

Saved bids (Total): 0
 Saved bids (Filtered): 0

Bid List

To paste from Excel press CTRL-V
 (***) Edited Bid
[Download example.xls](#) [Reset to current bid values](#) [Save filtered](#) [Clear all bids filtered](#)

Product name	Border: IF1-FR-GB		BID00001-IF1-FR-GB	
	Offered capacity (MW)	Total bided qty (MW)	Quantity (MW)	Price (EUR/MWh)
00:00-01:00	100	0	<input type="text"/> V	<input type="text"/> V
01:00-02:00	100	0	<input type="text"/> V	<input type="text"/> V

Figure 39 Bid Creation on IF1-FR-GB Intraday Auction

► To create a new bid

When the new bid is requested from the auction screen, the auction parameters and the auction ID are automatically displayed.

- The first set of fields available in the screen act as filters to narrow the list of selectable auctions.
 - Select a **Corridor**
 - Select a **Horizon**
 - Select a Market Period (Auction delivery period)
 - ✓ For Daily Horizon: select a Day in DD-MM-YYYY format, for example: 24-04-2023
 - ✓ For Monthly Horizon: select a Year (for example: 2023) and a Month (for example: May)
 - ✓ For Yearly Horizon: select a Year (for example: 2023)
 - Choose **Auction identification** among the drop-down list.

The listed auctions are all auctions defined for the selected horizon, market period and corridor, with a 'Pre-Open' or 'Open' status.

- Credit Limit are summarized in the top section of the screen

- In the Bid list part, the system displays a Bid matrix:
 - ✓ Daily Auctions: One empty Bid is displayed with 1 column for Bid Qty and 1 column for Bid Price. The products sold on the selected auction are displayed in rows. The system displays also the Offered capacity, the total bided quantity per hour, and the total Offered capacity over all the hours. To add a new bid, click on the “+” button situated in the upper right corner, next to the bid identification. The user will be notified when he has reached the limit of bids.

Product name	Border: IF1-FR-GB		BID00001-IF1-FR-GB		BID00002-IF1-FR-GB		+
	Offered capacity (MW)	Total bided qty (MW)	Quantity (MW)	Price (EUR/MWH)	Quantity (MW)	Price (EUR/MWH)	
00:00-01:00	100	40	<input type="text" value="40"/> V	<input type="text" value="1.23"/> V	<input type="text" value=""/>	<input type="text" value=""/>	
01:00-02:00	100	50	<input type="text" value="50"/> V	<input type="text" value="1.65"/> V	<input type="text" value=""/>	<input type="text" value=""/>	
02:00-03:00	100	60	<input type="text" value="60"/> V	<input type="text" value="1.98"/> V	<input type="text" value=""/>	<input type="text" value=""/>	
03:00-04:00	100	40	<input type="text" value="40"/> V	<input type="text" value="0.55"/> V	<input type="text" value=""/>	<input type="text" value=""/>	
04:00-05:00	100	45	<input type="text" value="45"/> V	<input type="text" value="0.98"/> V	<input type="text" value=""/>	<input type="text" value=""/>	
05:00-06:00	100	70	<input type="text" value="70"/> V	<input type="text" value="0.53"/> V	<input type="text" value=""/>	<input type="text" value=""/>	
06:00-07:00	100	40	<input type="text" value="40"/> V	<input type="text" value="2.1"/> V	<input type="text" value=""/>	<input type="text" value=""/>	
07:00-08:00	100	45	<input type="text" value="45"/> V	<input type="text" value="1.55"/> V	<input type="text" value=""/>	<input type="text" value=""/>	
			Quantity (MW)	Price (EUR/MWH)	Quantity (MW)	Price (EUR/MWH)	

Figure 40: Add new intraday bid

- ✓ LT Auctions: N empty Bids are displayed in rows with 1 column for Bid Price and 1 column for Bid Qty where N is the maximum number of Bids. The system displays also the Offered capacity and the total bided quantity.

The participant must enter Bid quantity and Bid Price for each product sold on the selected auction. Besides, the Participant may enter several Bids at the same time through this Bid Matrix screen.

For daily auction, there will be 24 hourly products to specify. If no bid is to be declared on a given hour, leave a 0 for both quantity and price.

The system automatically generates the corresponding ECAN Bid file and internally uploads it into the system.

- A page is displayed allowing submitting participants to follow the current processing (same as for any file upload), and its result.

New/Edit Bids

Bid has been uploaded to the system. See below current process statuses.

New/Edit Bids



Logging time	Message	Status	Market Period Start	Market Period Stop	Ack
23-04-2023 02:11:00	A new file '10X1001A1001A57U_IF1-FR-GB-I-ID0008-230424-01_1.xml' has been detected by the system, start of analysis of this new file	Message Fully Accepted			
23-04-2023 02:11:00	Parsing of bid file '10X1001A1001A57U_IF1-FR-GB-I-ID0008-230424-01_1.xml' ended. File is 'fully accepted' : 1 bids created, 0 bids modified, 0 bids cancelled	Message Fully Accepted	24-04-2023 00:00	24-04-2023 08:00	

Figure 41 New Bid: Status of the creation.

That bid submission follow-up page also includes the following button:

- “New/Edit Bids”: Pressing that button brings up the New/Edit Bids creation screen with the same Horizon, Market Period, Corridor and Auction ID filters as in the previous display.

► To view a new bid document:

- Once the process is complete, go to File -> Download
 - Select Bid as **document type**
 - Enter the **start/stop date** corresponding to the time the bid was created (registration time checked) or the start/stop date corresponding to the market period of the associated auction (Market period checked).
 - The document list displays the bid document submitted to the system.

File Download

Filtering criteria

Type
 All (15)
 Allocation results
 Approved transfer
 Bid
 Capacity curtailment
 Capacity rights portfolio
 Daily programming authorization
 ETSO status request
 Intraday programming authorization
 ITR Designation

Domain
 ALL (30)
 AUSTRIA-ITALY-BORDER
 BRITNED-IC
 BULGARIA-GREECE-BORDER
 BULGARIA-ROMANIA-BORDER
 BULGARIA-SERBIA-BORDER
 CORE_DOMAIN
 CROATIA-SERBIA-BORDER
 DENMARK1-DENMARK2-BORDER
 DENMARK-NETHERLANDS-BORDER

Status
 All (6)
 A01 - Message fully accepted
 A02 - Message fully rejected
 A03 - Message contains errors at the times set
 Z01 - Message fully accepted under reserve
 Z03 - Message contains errors at the times set

Horizon
 All (4)
 Long-Term
 Daily
 Intraday
 Undefined

Date start: 23.03.2023
 Date stop: 22.05.2023
 Registration time
 Auction period

List: 16 Entities found, displaying 13 entities, from 1 to 13, Page 1 / 2

Registration time	Domain	Market period start	Market period stop	Horizon	Identification	Version	Document type	Status	Related document identification	Related document version	User	Action	Ack
23-04-2023 02:11	FA14C	24-04-2023 09:00	24-04-2023 08:00	Intraday	IF1-FR-GB-I-ID0008-230424-01	2	A24	A01	2632343959	0			
23-04-2023 02:11	FA14C	24-04-2023 09:00	24-04-2023 08:00	Intraday	IF1-FR-GB-I-ID0008-230424-01	1	A24	A01	735173892	0			
23-04-2023 01:22	FRANCE-SWISS-BORDER	01-05-2023 09:00	01-06-2023 00:00	Long-Term	FR-CH-MBASE-----230501-03	4	A24	A01	181525107	0			
23-04-2023 01:22	FRANCE-SWISS-BORDER	01-05-2023 09:00	01-06-2023 00:00	Long-Term	FR-CH-MBASE-----230501-03	3	A24	A02	2006457759	0			
23-04-2023 01:22	FRANCE-SWISS-BORDER	01-05-2023 09:00	01-06-2023 00:00	Long-Term	FR-CH-MBASE-----230501-03	2	A24	A02	2966608113	0			
23-04-2023 01:22	FRANCE-SWISS-BORDER	01-05-2023 09:00	01-06-2023 00:00	Long-Term	FR-CH-MBASE-----230501-03	3	A24	A01	2863648976	0			
23-04-2023 01:22	FRANCE-SWISS-BORDER	01-05-2023 09:00	01-06-2023 00:00	Long-Term	FR-CH-MBASE-----230501-03	2	A24	A02	3914538393	0			
23-04-2023 01:22	FRANCE-SWISS-BORDER	01-05-2023 09:00	01-06-2023 00:00	Long-Term	FR-CH-MBASE-----230501-03	2	A24	A02	4322235483	0			
23-04-2023 01:22	FRANCE-SWISS-BORDER	01-05-2023 09:00	01-06-2023 00:00	Long-Term	FR-CH-MBASE-----230501-03	1	A24	A02	3748969332	0			
23-04-2023 01:22	FRANCE-SWISS-BORDER	01-05-2023 09:00	01-06-2023 00:00	Long-Term	FR-CH-MBASE-----230501-03	2	A24	A02	2652291943	0			

Figure 42 View list Bid document.

- Select your new bid document.
- Click on *open* icon in Action column. The XML will be displayed in a viewer.

TIME SERIES BID DOCUMENT

Document Identification		Version	Date and Time		Document Type	
IF1-FR-GB-I-ID0008-230424-01		2	2023-04-23T00:11:00Z		Bid document	

Sender	Role	Receiver	Role	Bid Start and End Date	Domain	SubjectParty	SubjectRole
11XDANSKECOM---P	CT	10X1001A1001A57U	TCA	2023-04-23T22:00Z/2023-04-24T06:00Z	10Y1001C--000255	11XDANSKECOM---P	CT

TS Id.	Auction Id.	Type	In Area	Out Area	Unit	Currency	Unit Price	Divisible	Block Bid
BID00001-IF1-FR-GB	IF1-FR-GB-I-ID0008-230424-01	EXT	10YGB-----A	10YFR-RTE-----C	MW	EUR	MWH	YES	NO

Period Begin and End Date/Time		Resolution
2023-04-23T22:00Z/2023-04-24T06:00Z		PT60M

Position	Quantity	Price Amount
1	40.0	1.23
2	50.0	1.65
3	60.0	1.98
4	40.0	0.55
5	45.0	0.98
6	70.0	0.53
7	40.0	2.1
8	45.0	1.55

Figure 43 View the Bid document.

- ▶ To download a new bid document:
 - Select your new bid document.
 - Click on *save* icon in Action column

- ▶ To see the new bid document acknowledgment:
 - Select your new bid document.
 - Click on *open* icon in Acknowledgement column. The XML will be displayed in a viewer.

ACKNOWLEDGEMENT MESSAGE

Message Identification	Date and Time	Receiving Message Identification	Receiving Message Version	Receiving Payload Name
2632343999	2023-04-23T00:11:00Z	IF1-FR-GB-I-ID0008-230424-01	2	

Sender	Role	Receiver	Role
10X1001A1001A57U	TCA	11XDANSKECOM---P	CT

MESSAGE ACKNOWLEDGEMENT STATUS

Reason Code	Reason Title	Reason Text
A01	Message Fully Accepted	

GLOBAL TIME SERIES INTERVAL ERRORS
TIME SERIES THAT HAVE BEEN REJECTED OR MODIFIED

Figure 44 New Bid: View acknowledgement of new Bid document.

4.4.5 New Bid creation through File Upload

The procedure to upload a bid file into the capacity auction system is the generic procedure to upload a file into the capacity auction system. It is done from the File Upload screen.

The parsing follow-up and the review of acknowledgement can be done with File Download screen. Please refer to preliminary sections to get the detailed instructions on how to upload a file, check the acknowledgement status and review the details of acknowledgement.

For a given auction, all the Bids must be submitted within the same ECAN Bid document.

If the Trader wants to modify or cancel one or several Bid(s) for this given auction, he will have to submit a new ECAN Bid document with the same document ID and an incremented document version.

4.4.6 Copy/paste from Excel

The system offers the possibility to copy Bids from an Excel sheet and paste them to the “New/Edit Bids” screen.

► To copy/paste Bids from Excel:

- Enter the “New/Edit Bids” screen (from Auction screen or Bid screen)
- Download the Excel template for the bids and create the bids
- In the Excel sheet, select the data grid content to be copied.
- Copy the selected content to the clipboard (Press CTRL-C on the keyboard or make a right click and select Copy in the contextual menu)
- Go back to the “New/Edit Bids” screen and Press CTRL-V to paste the selected content from the clipboard.

Note that the System performs some basic validation checks:

- LT auctions:
 - ✓ Rows number should be equal or less than the maximal number of Bids
 - ✓ Columns number should be a multiple of 2
 - ✓ The header of the bid must be the corridor for which the bids are created and will occupy 2 columns, corresponding to the quantity and the price
 - ✓ Quantity and Price must be numbers
 - ✓ If the Price contains decimals the separator must be “.”
- Daily auctions:
 - ✓ Rows number should be equal to the number of hours within the delivery day of the auction (23, 24 or 25)
 - ✓ Columns number should be a multiple of 2
 - ✓ Columns number should be equal or less than the $2*N$ where N is the maximal number of Bids
 - ✓ The header of the bid must be the corridor for which the bids are created and will occupy 2 columns, corresponding to the quantity and the price
 - ✓ Quantity and Price must be numbers.
 - ✓ If the Price contains decimals the separator must be “.”

4.4.7 View bid screen

Through the auction screen, participants can view in the same screen in read-only mode all the bids that have been submitted to the selected auction.

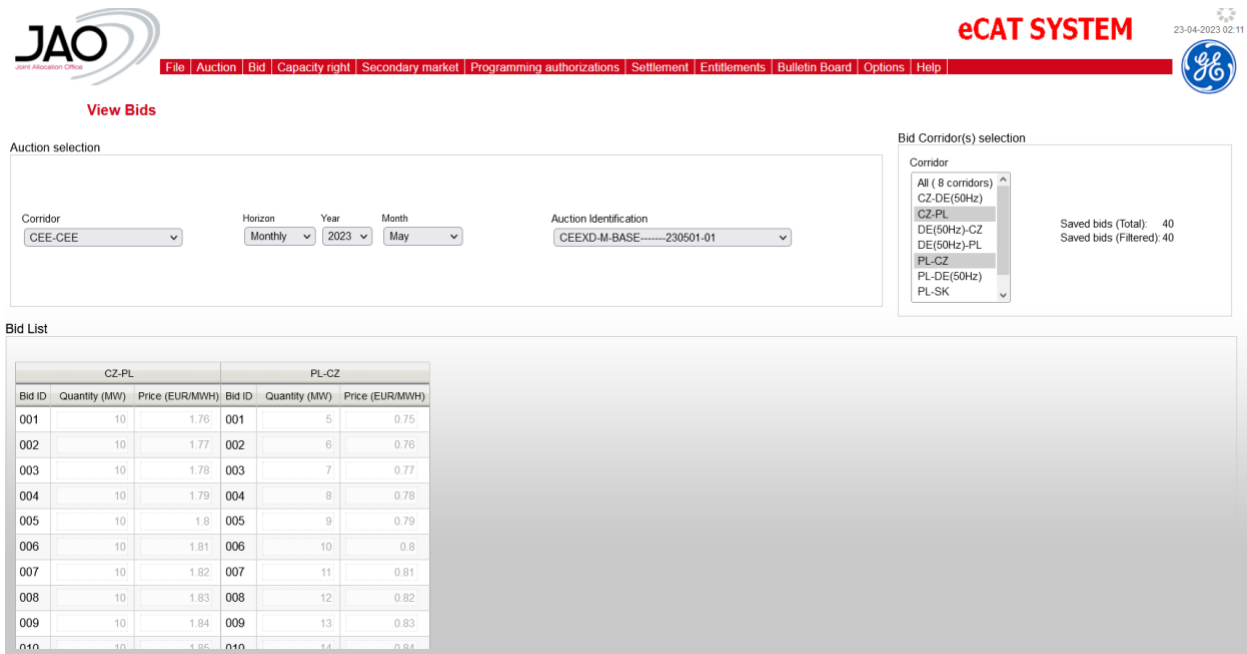
To do this, in Auction screen, the User must select an auction from the Auction list and then click on ‘View Bids’ button in column Action.

The “View Bids” screen displays all the bids for a given auction on the same screen in read-only mode, as a matrix.

The user could also access to the “View Bids” screen through the menu **Bid -->View Bids**.

The presentation differs according to the horizon of the auction:

- Intraday/Daily auctions: bids are displayed in columns and products are displayed in rows
- Long-Term auctions: bids are displayed in rows and products are displayed in columns.



View Bids

Auction selection

Corridor: CEE-CEE | Horizon: Monthly | Year: 2023 | Month: May | Auction Identification: CEEXD-M-BASE-----230501-01

Bid Corridor(s) selection

Corridor: All (8 corridors), CZ-DE(50Hz), CZ-PL, DE(50Hz)-CZ, DE(50Hz)-PL, PL-CZ, PL-DE(50Hz), PL-SK

Saved bids (Total): 40
Saved bids (Filtered): 40

Bid List

CZ-PL			PL-CZ		
Bid ID	Quantity (MW)	Price (EUR/MWh)	Bid ID	Quantity (MW)	Price (EUR/MWh)
001	10	1.76	001	5	0.75
002	10	1.77	002	6	0.76
003	10	1.78	003	7	0.77
004	10	1.79	004	8	0.78
005	10	1.8	005	9	0.79
006	10	1.81	006	10	0.8
007	10	1.82	007	11	0.81
008	10	1.83	008	12	0.82
009	10	1.84	009	13	0.83
010	10	1.85	010	14	0.84

Figure 45 View bids screen of LT auctions

View Bids

Auction selection

Corridor: IF1-FR-GB | Horizon: Intraday | Day: 24.04.2023 | Auction Identification: IF1-FR-GB+ID0008-230424-01 | Matching period: 00:00-08:00

Bid Corridor(s) selection: All (1 corridors) | IF1-FR-GB | Saved bids (Total): 1 | Saved bids (Filtered): 1

Bid List

Product name	Border: IF1-FR-GB		BID00001-IF1-FR-GB		BID00002-IF1-FR-GB	
	Offered capacity (MW)	Total bided qty (MW)	Quantity (MW)	Price (EUR/MWh)	Quantity (MW)	Price (EUR/MWh)
00:00-01:00	100	30	30	1.21		
01:00-02:00	100	40	40	0.45		
02:00-03:00	100	50	50	0.56		
03:00-04:00	100	60	60	0.64		
04:00-05:00	100	30	30	0.71		
05:00-06:00	100	20	20	0.82		

Figure 46 Daily auctions – Bid screen

► To display the Bids in read-only mode for a given auction:

When the “View Bids” screen is accessed from the auction screen, the filtering criteria are automatically filled.

- The first set of fields available in the screen act as filters to narrow the list of selectable auctions.
 - Select a **Corridor**
 - Select a **Horizon**
 - Select a Market Period (Auction delivery period)
 - ✓ For Daily Horizon: select a Day in DD-MM-YYYY format, for example: 24-04-2023
 - ✓ For Monthly Horizon: select a Year (for example: 2023) and a Month (for example: May)
 - ✓ For Yearly Horizon: select a Year (for example: 2023)
 - Choose **Auction identification** among the drop-down list.
 - Select **Corridor** from the list of available corridors (included in the selected auction)

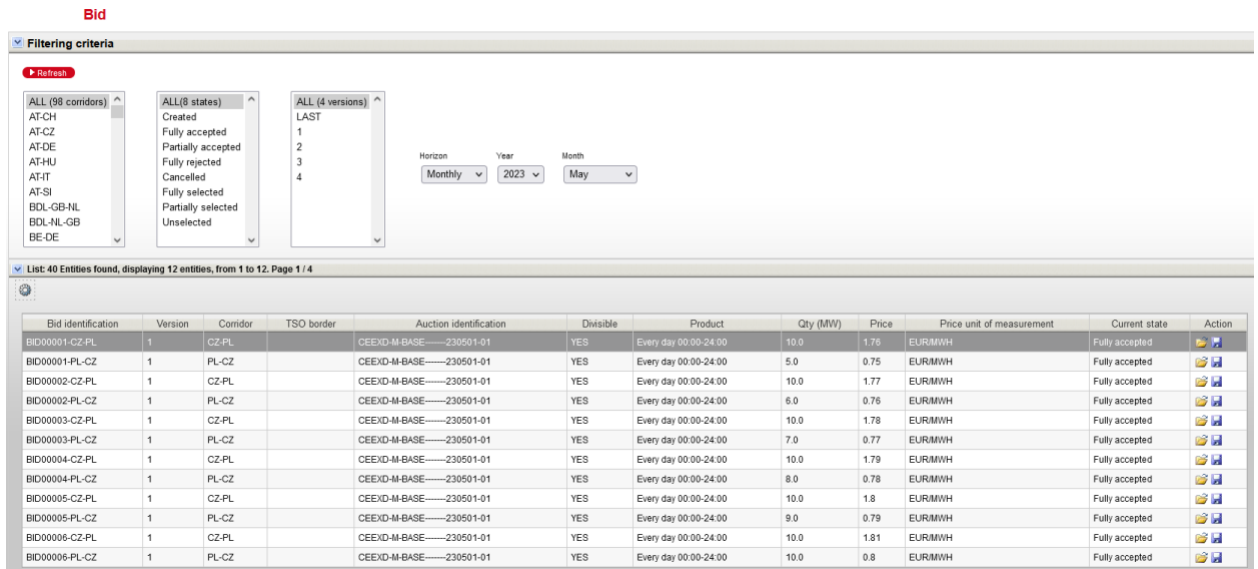
The listed auctions are all auctions defined for the selected horizon, market period and corridor, with a ‘Pre-Open’ or ‘Open’ status.

- In the Bid list part, the system displays a Bid matrix:
 - ✓ Daily Auctions: Bids are displayed in columns with 1 column for Bid Price and 1 column for Bid Qty. The products sold on the selected auction are displayed in rows. The system displays also the Offered capacity, the total bided quantity per hour, the total Offered capacity over all the hours and the total bided quantity over all the hours.
 - ✓ LT Auctions: Bids are displayed in rows with 1 column for Bid Price and 1 column for Bid Qty. The system displays also the Offered capacity and the total bided quantity.

4.4.8 Bid List

With the Bid display, participants have access to all bids they have submitted.

To display a bid list, select the Bids submenu in Bid menu, enter filtering criteria and press the refresh button.



The screenshot shows the 'Bid' management interface. At the top, there are three dropdown menus for filtering criteria: 'ALL (99 corridors)', 'ALL (8 states)', and 'ALL (4 versions)'. Below these are 'Horizon' (Monthly), 'Year' (2023), and 'Month' (May) dropdowns. A 'Refresh' button is located above the filters. Below the filters, a status bar indicates 'List: 40 Entities found, displaying 12 entities, from 1 to 12, Page 1 / 4'. The main part of the screenshot is a table with the following columns: Bid identification, Version, Corridor, TSO border, Auction identification, Disible, Product, Qty (MW), Price, Price unit of measurement, Current state, and Action.

Bid identification	Version	Corridor	TSO border	Auction identification	Disible	Product	Qty (MW)	Price	Price unit of measurement	Current state	Action
BID00001-CZ-PL	1	CZ-PL		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	10.0	1.76	EUR/MWH	Fully accepted	
BID00001-PL-CZ	1	PL-CZ		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	5.0	0.75	EUR/MWH	Fully accepted	
BID00002-CZ-PL	1	CZ-PL		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	10.0	1.77	EUR/MWH	Fully accepted	
BID00002-PL-CZ	1	PL-CZ		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	5.0	0.76	EUR/MWH	Fully accepted	
BID00003-CZ-PL	1	CZ-PL		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	10.0	1.78	EUR/MWH	Fully accepted	
BID00003-PL-CZ	1	PL-CZ		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	7.0	0.77	EUR/MWH	Fully accepted	
BID00004-CZ-PL	1	CZ-PL		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	10.0	1.79	EUR/MWH	Fully accepted	
BID00004-PL-CZ	1	PL-CZ		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	8.0	0.78	EUR/MWH	Fully accepted	
BID00005-CZ-PL	1	CZ-PL		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	10.0	1.8	EUR/MWH	Fully accepted	
BID00005-PL-CZ	1	PL-CZ		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	9.0	0.79	EUR/MWH	Fully accepted	
BID00006-CZ-PL	1	CZ-PL		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	10.0	1.81	EUR/MWH	Fully accepted	
BID00006-PL-CZ	1	PL-CZ		CEE XD-M-BASE-230501-01	YES	Every day 00:00-24:00	10.0	0.8	EUR/MWH	Fully accepted	

Figure 47 Bid list display

After displaying the Bid Management view, the displayed bids can be filtered using a set of Filter properties.

- ▶ To filter the bids to be displayed:
 - In Filtering criteria select
 - **Corridor** (Multiple selections are allowed)

- **Bid state** (Created, Fully accepted, Partially accepted, Fully rejected, Cancelled, Fully selected, Partially selected, Unselected) (Multiple selections are allowed)
- **Version** (Multiple selections are allowed)
- **Horizon** (Multiple selections are not allowed)
- Click on *Refresh* button

A row in the list represents one bid.

The result of the bid filtering is displayed in the table with the following information:

Column	Description
Bid Identification	The identification assigned by the sender that uniquely identifies the bid.
Version ¹	Version of the bid. All the versions of a bid can be displayed, but only the latest version of a bid is considered in the process of auction clearing
Corridor	The name of the oriented border corridor for which the auction is defined.
TSO Border	TSO Border
Auction identification	Unique identification of the auction to which the bid is addressed
Divisible	An indication whether each element of the bid may be partially accepted or not. A yes indicates it can be partially accepted. By default, this parameter is set to Yes.
Product	Product associated to a selected auction and one bid block
Qty (MW)	Bid Quantity
Price	Bid Price
Price measure unit	Price measure unit (EUR/MWh)
Current state	Current state of the selected bid

¹ **N.B.:** A new version of a bid is created if the operator performs a modification of an existing bid. A new row appears in the Bid table if the filtering criteria specify the selection of all versions of bids.

Column	Description
Action	<p><u>Open</u>: Edit the selected Bid document in an XML viewer. The XML Bid document corresponds to the version of the document for the selected Bid identification.</p> <p><u>Save</u>: Download the selected document in its original format in a local directory</p>

Users can select a bid in the list. The screen provides detailed information about the selected bid if any.

► To see the details of a bid:

- Select the bid
- The detail part is automatically updated

The various tabs displayed are described below.

4.4.8.1 Bid identification

► In this tab, all the identification information of the bid selected is displayed (all the fields are read-only).

- In Bid identification part
 - **Bid identification**
 - **Corridor**
 - **Market Period** with the **start/stop date**
 - **Auction identification** to which the bid is addressed
- In Version part
 - The **version** of the selected bid
 - If it is the **last version**
 - The **creation time**
 - The **creation user**
- In Bid states there is the **history of all the status** of the bid with the state creation date and the state creation user. The last row in the list corresponds to the current state of the bid.



- In Parties
 - **Bidder name:** name of the submitter
 - **Subject party :** name of the Capacity Trader

The screenshot shows the 'Bid identification' tab with the following details:

Bid identification		Version	
Bid identification :	BID00001-CZ-PL	Version :	1
Corridor :	CZ-PL	Last Version :	YES
Market period :	01-05-2023 00:00 / 01-06-2023 00:00	Creation time :	23-04-2023 02:11
Auction identification :	CEEXD-M-BASE-----230501-01	Creation user :	[Redacted]

Bid states	
State name	Creation time
Created	23-04-2023 02:11
Fully accepted	23-04-2023 02:11

Parties	
Bidder :	DISAM
Subject party :	DISAM

Figure 48 Bid identification

4.4.8.2 Bid blocks

► In this tab, all the bid details are displayed: quantity, price... for each product (All the fields are read-only).

The screenshot shows the 'Bid blocks' tab with the following table:

Product identification	Product name	Bid Quantity (MW)	Bid Price (EUR/MWH)
BASE-----	Every day 00:00-24:00	10.0	1.76

Figure 49 Bid Blocks

The bid details list displays the following information:

Column	Description
Product identification	Identification of the product to which the bid is addressed
Product name	Name of the product
Bid quantity	Bid quantity (is expressed in MW)

Column	Description
Bid price	Bid price (is expressed in EUR/MWh)
Awarded quantity	Awarded quantity (Is expressed in MW). Visible only when auction results have been published
Awarded price	Awarded price (Is expressed in EUR/MWh). Visible only when auction results have been published

4.4.8.3 Bid Parameters

► In this tab, all the bid parameter information is displayed (all the fields are read-only).

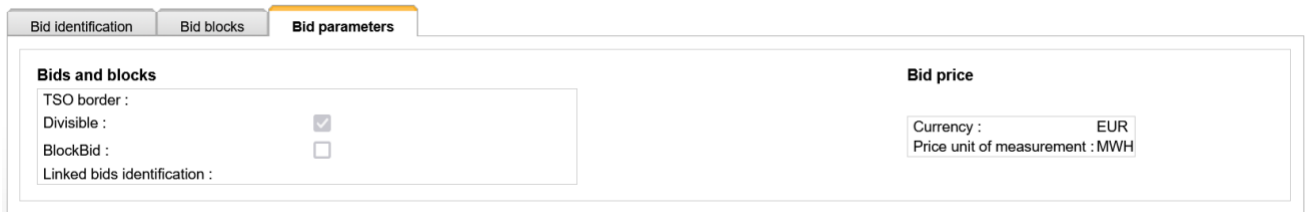


Figure 50 Bid Parameters

4.4.9 Bid Modification

There are 3 ways to modify bids:

- By submitting of a new version of the original Bid document with an update for the Bid being modified.
 - Submit the same bid document after having updated it with the relevant bid quantity and price and increased the document version by 1 including all bids already contained in the old version of the document.
- By modification through the UI.
 - To modify a bid through the UI from Auction menu:
 - Select in List the auction associated to the bid to be modified
 - In column *Action*, click on *New/Edit Bids* button.
 - An Edit Bid screen is displayed with all the Bid information preset.
 - Change Bid quantity and/or Bid price

- Note that if you click the *Reset to current bid values* button, then all your changes are cancelled, and the bid matrix is restored with the values of Bids currently saved in the database
- Once all information is filled in, click on the 'Save' button to finish the creation of the new Bids and submit it to the capacity auction system.
- A new Bid XML file is generated.

Or

► To modify a bid through the UI from Bid tab -> New/edit Bid:

- An Edit Bid screen is displayed with all the Bid information preset.
- Change Bid quantity and/or Bid price
- Note that if you click the *Reset to current bid values* button, then all your changes are cancelled, and the bid matrix is restored with the values of Bids currently saved in the database
- Once all information is filled in, click on the 'Save' button to finish the creation of the new Bids and submit it to the capacity auction system.
- A new Bid XML file is generated.

New/Edit Bids

Auction selection

Corridor: Horizon: Year: Month: Auction Identification:

Bid Corridor(s) selection

Corridor: (Selected)

 (Selected)

Saved bids (Total): 40
Saved bids (Filtered): 40

Bid List

To paste from Excel press CTRL-V
(***) Edited Bid
[Download example.xls](#)

CZ-PL				PL-CZ			
Bid ID	Quantity (MW)	Price (EUR/MWH)	Action	Bid ID	Quantity (MW)	Price (EUR/MWH)	Action
001	<input type="text" value="10"/>	<input type="text" value="1.76"/>	<input type="button" value="Clear bid"/>	001	<input type="text" value="5"/>	<input type="text" value="0.75"/>	<input type="button" value="Clear bid"/>
002	<input type="text" value="10"/>	<input type="text" value="1.77"/>	<input type="button" value="Clear bid"/>	002	<input type="text" value="6"/>	<input type="text" value="0.76"/>	<input type="button" value="Clear bid"/>
003	<input type="text" value="10"/>	<input type="text" value="1.78"/>	<input type="button" value="Clear bid"/>	003	<input type="text" value="7"/>	<input type="text" value="0.77"/>	<input type="button" value="Clear bid"/>
004	<input type="text" value="10"/>	<input type="text" value="1.79"/>	<input type="button" value="Clear bid"/>	004	<input type="text" value="8"/>	<input type="text" value="0.78"/>	<input type="button" value="Clear bid"/>
005	<input type="text" value="10"/>	<input type="text" value="1.8"/>	<input type="button" value="Clear bid"/>	005	<input type="text" value="9"/>	<input type="text" value="0.79"/>	<input type="button" value="Clear bid"/>
006	<input type="text" value="10"/>	<input type="text" value="1.81"/>	<input type="button" value="Clear bid"/>	006	<input type="text" value="10"/>	<input type="text" value="0.8"/>	<input type="button" value="Clear bid"/>

Figure 51 Edit Bid

4.4.10 Bid Cancellation

There are 2 ways to cancel bids:

- By submitting a new version of the Bid document not including the Time Series of the Bids to be deleted.

- ▶ Submit the same bid document after having removed the relevant bid time series and incremented the document version by 1.
 - By a cancel Through the UI.

- ▶ To cancel a bid through the UI:
 - Go to Auction menu
 - Select in List the auction associated to the bid to be cancelled
 - In column *Action*, click on *New/Edit Bids* button.
 - An Edit Bid screen is displayed with all the Bid information preset.
 - Click the *Clear Bid* button linked to the bid you want to cancel. You can also click the *Clear All Bids* button if you want to cancel all the Bids on the selected auction.
 - Note that if you click the *Reset to current bid values* button, then all your changes are cancelled, and the bid matrix is restored with the values of Bids currently saved in the database
 - Once all information is filled in, click on the ‘Save’ button to finish the creation of the new Bids and submit it to the capacity auction system.
 - Once the cancellation is confirmed the bid status changes to ‘Cancelled’ and a new Bid XML file is generated.

Note that you can also access to the Edit Bid screen by clicking on “New/Edit Bids” in the Bid tab.

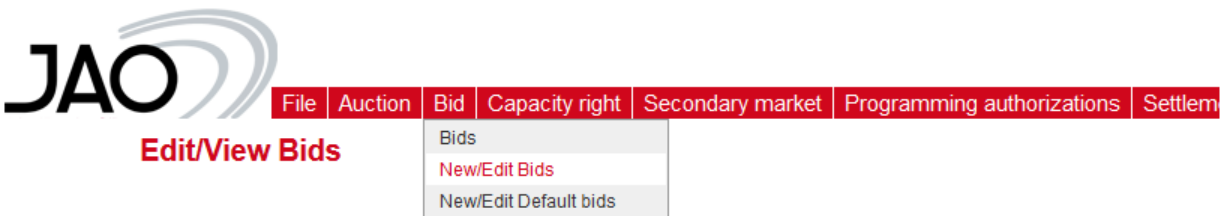


Figure 52: New/Edit Bids menu

IMPORTANT NOTE: For **daily auctions** the New/Edit Bids button leads to actions on one single bid time series corresponding to 24 hours of bids: Consequently, **to cancel a single hourly Bid** via UI, participants should consider bringing up the Edit screen and put a 0 for quantity and price for the desired hour.

4.5 Default bids

E-terraMarket ENTSO-E Capacity Auction provides the participant the possibility to define default bids.

The default bids could be defined:

- For each corridor,
- For each horizon (Intraday, daily, monthly, yearly ...),
- For each auction type (shadow, base, peak ...).

4.5.1 Default Bid submission checks

E-terraMarket ENTSO-E Capacity Auction provides the participant to display all default bids whose bidder party corresponds to the party represented by the connected user.

The submission of default bids to eCat system by Market Participants can be done through the web interface through the “New/Edit Default bids” screen.

To be integrated by the eCat system, bids must abide by the following rules:

- Price is mandatory.
- Quantity is mandatory.
- Quantity and Price must be numbers.
- Positions on all the hourly intervals are required.
- Default bid prices must be a multiple of 0.01Eur.
- Default bid quantities must not have decimals.
- The Default bid currency must be Euro.
- The unit of measurement for Default bid price must be MWH.

- Traders are not allowed to change default Bids while the corresponding auction is currently running. An explicit error message is displayed if a Trader tries to change default Bids while there is a lock on default bids for the given corridor.
- A Trader can participate in a shadow auction only if he holds an entitlement on the corridor for daily auctions.
- Credit limit is checked for shadow auction at default bidding gate closure (warning only), pre-bidding gate closure if it exists (warning only) and bidding gate closure (rejection of bids until CL is satisfied).

4.5.2 Default Bids exceeding OC

When the total bided quantity exceeds OC of the auction, Bids will be created from default Bids according to a priority order:

- ✓ Priority order is implicitly given by the bids price: Bids with the highest price have the highest priority, bids with the lowest price have the lowest priority. (*)
- ✓ Bids are created one by one from default Bids by following the priority order and until total bided quantity exceeds OC of the auction
- ✓ Bid quantity of the last bid that exceeds OC is not used so that total bided quantity is not over the OC.
- ✓ Remaining default Bids within the priority order do not lead to creation of Bids.

(*) For daily auctions, the priority order is implicitly given by the bids values: Bids with the highest value have the highest priority, bids with the lowest value the lowest priority. (Bid value = sum of quantity by price for all the positions of the same bid)

4.5.3 New default Bid Creation

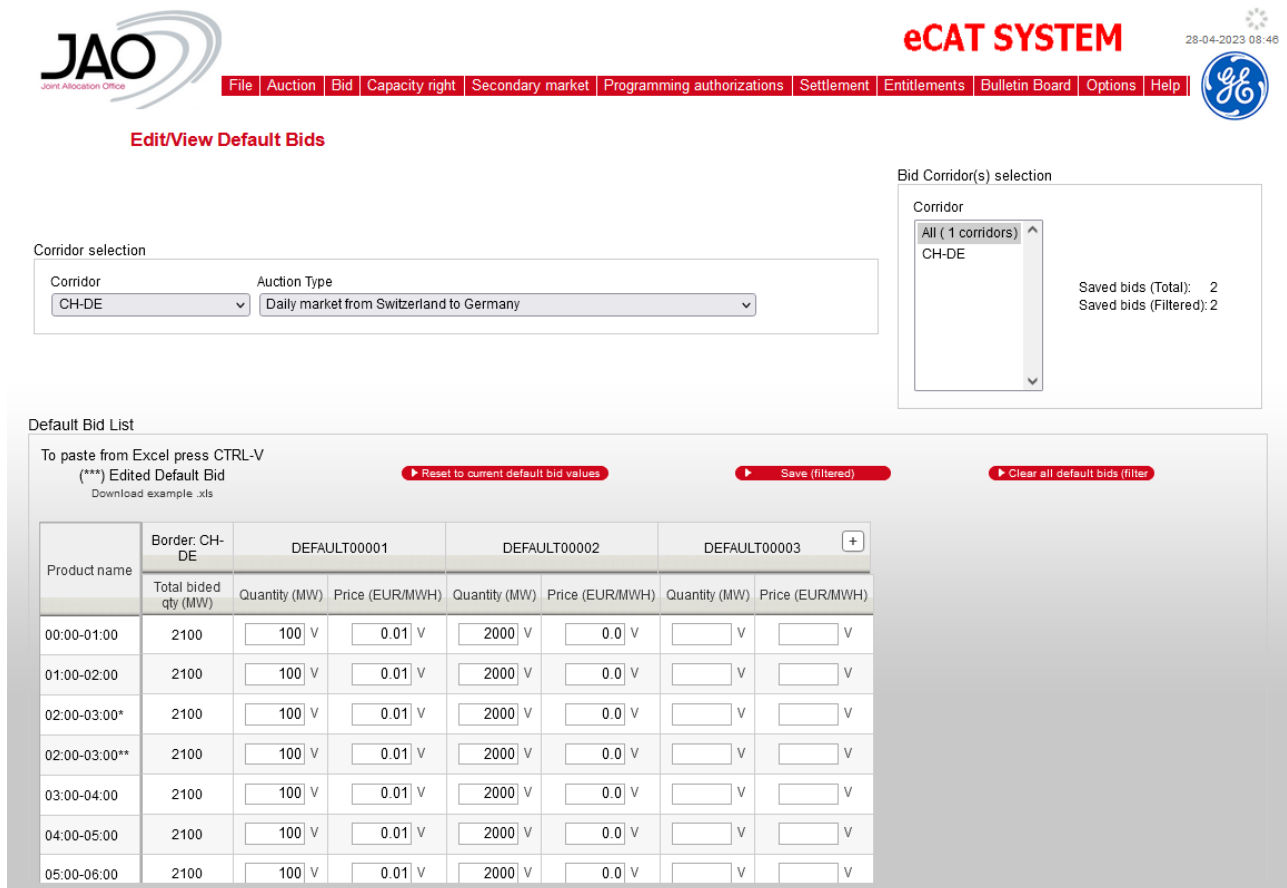
Users can create new default bids through submenu 'New/Edit Default bids' in Bid menu.



Figure 53 New/Edit Default bids submenu

The “New/Edit Default bids” screen displays all the default bids for a given corridor on the same screen, as a matrix.

In this way, the User can submit several Default bids to a given corridor at the same time and in a single step.



Corridor selection

Corridor: CH-DE | Auction Type: Daily market from Switzerland to Germany

Bid Corridor(s) selection

Corridor: All (1 corridors) | CH-DE

Saved bids (Total): 2
Saved bids (Filtered): 2

Default Bid List

To paste from Excel press CTRL-V
(**) Edited Default Bid
Download example .xls

Reset to current default bid values | Save (filtered) | Clear all default bids (filter)

Product name	Border: CH-DE	DEFAULT00001		DEFAULT00002		DEFAULT00003	
		Total bided qty (MW)	Quantity (MW)	Price (EUR/MWH)	Quantity (MW)	Price (EUR/MWH)	Quantity (MW)
00:00-01:00	2100	100 V	0.01 V	2000 V	0.0 V	V	V
01:00-02:00	2100	100 V	0.01 V	2000 V	0.0 V	V	V
02:00-03:00*	2100	100 V	0.01 V	2000 V	0.0 V	V	V
02:00-03:00**	2100	100 V	0.01 V	2000 V	0.0 V	V	V
03:00-04:00	2100	100 V	0.01 V	2000 V	0.0 V	V	V
04:00-05:00	2100	100 V	0.01 V	2000 V	0.0 V	V	V
05:00-06:00	2100	100 V	0.01 V	2000 V	0.0 V	V	V

Figure 54 Default Bid Creation screen

► To create a new default bid

- Select a **Corridor**
- Select an **Auction type** (Intraday, Daily, Shadow, Monthly, Yearly, ...)
- In the default **Bid list** part, the system displays a Default Bid matrix:

The participant must enter a Quantity and a Price for each hour of the day (including the missing hour and the repeated hour for clock change).

Besides, the Participant may enter several Default Bids at the same time through this Default Bid Matrix screen.

There are 25 hourly products to specify. If no default bid is to be declared on a given hour, leave a 0 for both quantity and price.

- Once all information is filled in, click on the ‘Save’ button to finish the creation of the new default Bids and submit it to the capacity auction system.
- A page is displayed allowing submitting participants to follow the current processing, and its result.

Edit/View Default Bids

Corridor

Auction Type

Daily market from Switzerland to Germany

Monthly base market from Switzerland to Germany

Monthly peak market from Switzerland to Germany

Shadow Daily market from Switzerland to Germany

Yearly base market from Switzerland to Germany

Figure 55: Auction Type selection on CH-DE



eCAT SYSTEM

File | Auction | Bid | Capacity right | Secondary market | Programming authorizations | Settlement | Entitlements | Bulletin Board | Options | Help

28-04-2023 08:46



Edit/View Default Bids

Bid has been uploaded to the system. See below current process statuses.

[New/Edit Default Bids](#)

Logging time	Message	Severity	User	Corridor
28-04-2023 08:46:00	Default bid 'DEFAULT00001' has been updated on 'Daily shadow market from Belgium to France for any day'	INF		BE-FR

Figure 56 Creation's status of Default Bid.

That default bid submission follow-up page also includes the following button:

- “New/Edit default Bids”: Pressing that button brings up the New/Edit Default Bids creation screen with the same Corridor filter as in the previous display.

4.5.4 Copy/paste from Excel

The system offers the possibility to copy Default Bids from an Excel sheet and paste them to the “New/Edit Default bids” screen.

▶ To copy/paste Default bids from Excel:

- Enter the “New/Edit Default bids” screen (through “New/Edit Default bids” submenu)
- Select a corridor
- Select an Auction type
- In the Excel sheet, select the data grid content to be copied.
- Copy the selected content to the clipboard (Press CTRL-C on the keyboard or make a right click and select Copy in the contextual menu)
- Go back to the “New/Edit Default bids” screen and Press CTRL-V to paste the selected content from the clipboard.

Note that the System performs some basic validation checks:

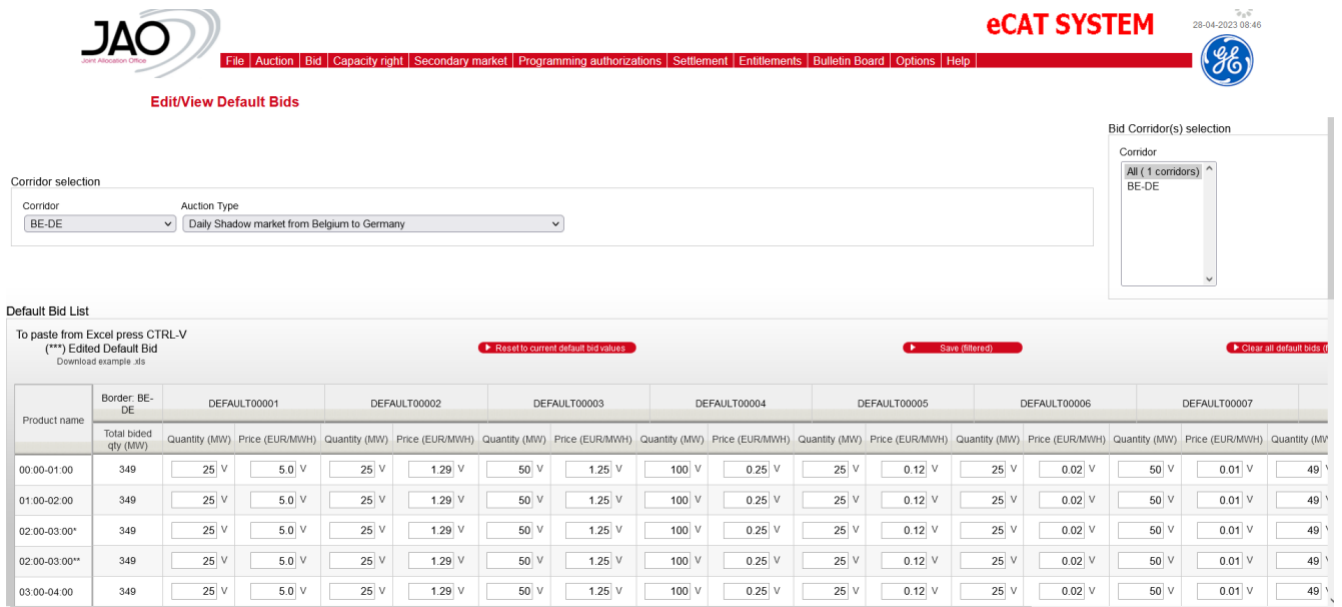
- Rows number should be equal to 25
- Columns number should be a multiple of 2
- Columns number should be equal or less than the $2*N$ where N is the maximal number of Bids
- The header of the bid must be the corridor for which the bids are created and will occupy 2 columns, corresponding to the quantity and the price
- Quantity and Price must be numbers.
- If the Price contains decimals the separator must be “.”

4.5.5 Default Bid Modification

▶ To modify a Default bid through the UI:

- Enter the “New/Edit Default bids” screen (through “New/Edit Default bids” submenu)

- Select a corridor
- Select an Auction type
 - An Edit Default Bid screen is displayed with all the Default Bids that have been previously entered.
 - Change the Quantity and/or the Price
 - Note that if you click the *Reset to current default bid values* button, then all your changes are cancelled, and the default bid matrix is restored with the values of Default Bids currently saved in the database
 - Click the *Save* button.



Default Bid List

To paste from Excel press CTRL-V
 (***) Edited Default Bid
 Download example.xls

Buttons: **Reset to current default bid values**, **Save filtered**, **Clear all default bids**

Product name	Border	DEFAULT00001		DEFAULT00002		DEFAULT00003		DEFAULT00004		DEFAULT00005		DEFAULT00006		DEFAULT00007		
		Quantity (MW)	Price (EUR/MWH)	Quantity (MW)	Price (EUR/MWH)	Quantity (MW)	Price (EUR/MWH)	Quantity (MW)	Price (EUR/MWH)	Quantity (MW)	Price (EUR/MWH)	Quantity (MW)	Price (EUR/MWH)	Quantity (MW)	Price (EUR/MWH)	
00:00-01:00	349	25	5.0	25	1.29	50	1.25	100	0.25	25	0.12	25	0.02	50	0.01	49
01:00-02:00	349	25	5.0	25	1.29	50	1.25	100	0.25	25	0.12	25	0.02	50	0.01	49
02:00-03:00*	349	25	5.0	25	1.29	50	1.25	100	0.25	25	0.12	25	0.02	50	0.01	49
02:00-03:00**	349	25	5.0	25	1.29	50	1.25	100	0.25	25	0.12	25	0.02	50	0.01	49
03:00-04:00	349	25	5.0	25	1.29	50	1.25	100	0.25	25	0.12	25	0.02	50	0.01	49

Figure 57 Edit Default Bids

4.5.6 Default Bid Cancellation

► To cancel a Default bid through the UI:

- Enter the “New/Edit Default bids” screen (through “New/Edit Default bids” submenu)
- Select a corridor
- Select an Auction type
 - An Edit Default Bid screen is displayed with all the Default Bids that have been previously entered.

- Click the *Clear Default Bid* button linked to the Default bid you want to cancel. You can also click the *Clear all Default Bids* button if you want to cancel all the Default Bids on the selected corridor.
- Note that if you click the *Reset to current default bid values* button, then all your changes are cancelled, and the default bid matrix is restored with the values of default Bids currently saved in the database
- Click the *Save* button.

IMPORTANT NOTE: to cancel a single hourly Default Bid via UI, participants should consider bringing up the Edit screen and put a 0 for quantity and price for the desired hour.

4.5.7 Surrogate Default bidding

In case Participants do not have access to the GUI, they may ask JAO operators to submit, modify or cancel Default bids on their behalf. As a matter of fact, JAO operators have an interface which grants them the ability to manually submit default bids and cancel default bids.

Note that JAO operators have no interface to manually modify Default bids as they cannot see the price and the quantity of the default bids. Consequently, the way JAO operators manually modify a Default bid on behalf of Capacity traders is through the cancellation of the previous Default bid and the submission of a new Default bid with the modified characteristics.

In their request, Participants should communicate detailed Default bid characteristics to JAO, so that JAO operators are able to perform manual default bid submission on their behalf.

Once Participants get back their access to the GUI, they can check that the Default bids have been properly treated by JAO operators in the Default Bid display.

4.6 SHADOW AUCTIONS

Shadow auctions correspond to fallback for daily implicit (Market Coupling) and explicit auctions.

4.6.1 Business process overview

Business process sequence is summarized as below:

- Traders submit default Bids to eCat by giving default hourly qty/price values for a given oriented border.
- Shadow auctions are visible on JAO website only when Fallback is triggered.
- Shadow auctions can be easily differentiated from other auctions thanks to their auction ID which contain “SHADOW” substring.
- TSOs send ATC with auction ID of a shadow auction to eCat.
- ATC is published on JAO website only when Fallback is triggered.
- If TSO don't confirm the shadow auction operation to JAO, then no capacity is allocated on the shadow auction for the given day.
- In the event of a shadow auction, JAO Operator activates manually the auction. The System automatically imports from the database the set of default Bids at opening of Bid submission gate and run the clearing.
- The shadow auction is cleared by the same Merit order algorithm as for clearing of LT Explicit auctions. Check of credit limit is done at the end of bidding gate.
- In case of NL-NO and DE-D2 border, a ramping constraint has to be taken into account.
- Allocation results of the shadow auction are published on JAO website.
- Allocation results are sent to TSOs, and Traders.
- Programming authorizations are processed by the System and sent to TSOs and Market participants in the same way as in the explicit auction process
- Settlement and invoicing is run in same way as in the explicit auction process: shadow auctions are invoiced on M+1.
- When UIOSI of LT Capacity is settled at the marginal price, then the marginal price of the shadow auction is used when a shadow auction is triggered.

4.7 ALLOCATION RESULT

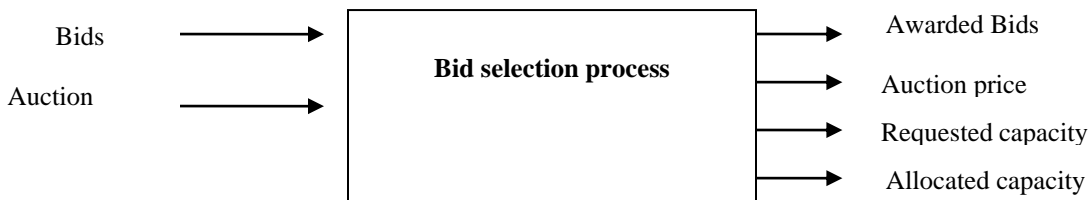
► The 'Auction evaluation' gate begins immediately after the 'Bid submission' gate closure.

► At the opening of ‘Auction evaluation’ gate, the System launches a clearing to compute the auction results.

The allocated results process is the following:

- Process of auction results: run of the bid selection process and determination of the awarded bids and the marginal price. It is broken into following steps:
 - Bid selection process:
 - Execution of the clearing algorithm
 - Determination of the awarded bids and the auction prices
 - Bid state management: process of the bid selection status
 - Generation of an event log ‘Auction results have been processed’.

The following data flow diagram shows the input data, and the output data associated to this bid selection process:



For each product (auction block) that is sold on the auction, the bid selection process allocates the Offered capacity of this product to the market participants by determining following output data:

- **Awarded quantity** and **awarded price** for each Bid Block that has been submitted on the given product.
- **Auction price**
- **Total requested capacity**: sum of Bid Block quantities
- **Total allocated capacity**: part of the Offered capacity that has been sold.

The system switches the state of each Bid of the system that has been submitted on the given auction (consider only the latest version of the Bids) in one of the following states:

Fully selected	During the allocation of capacity, if all the bid blocks (time intervals) are fully selected by the allocation algorithm (all the requested capacity is fully selected), then the bid moves into a 'Fully selected' state. This is a final state.
Partially selected	During the allocation of capacity, if only a part (but not all) of the requested capacity is selected by the allocation algorithm (not all the requested capacity is selected), then the bid moves into a 'Partially selected' state. This is a final state.
Unselected	During the allocation of capacity, if for all the bid blocks no quantity is selected then the bid moves into an 'Unselected' state. This is a final state.

It is possible that some bids are not considered by the allocation algorithm due to insufficient Credit Limit – see Credit Limit checking.

- Publication of auction results: results are made available to the participants in the web interface. ECAN Allocation Result documents are generated and made available to the participants in the file download interface. Furthermore, auction results are generated and published on ENTSO-E Transparency Platform.
- Allocation result display: The allocation results are displayed in the user interface. Allocation results correspond to the detailed results of the bid selection process, they provide the awarded quantity and the awarded price for each bid block that has been submitted on the given auction.

4.7.1 Allocation Result Control

Once the auctions results processing is ended, output data can be checked in several ways through the Participant UI:

► To check auction results:

1) In the Auction display:

- Go to Auction menu
- Apply the filters to see the auction.
- In the Auction results tab, check the allocation results.

This tab displays the main auction results for the selected product which had been put on sale.

Allocation Border	Product identification	Product Name	Offered Capacity (MW)	Requested Capacity (MW)	Allocated Capacity (MW)	Auction Price (EUR/MWH)	Shadow Prices
FR-CH	BASE-----	Every day 00:00-24:00	1000.0	418.0	418.0	0.0	Detail

Figure 58 Auction Screen after monthly auction clearing

2) In the Bid List display:

- Go to Bid -> Bids
- If not selected by default, filter to see the bids.
- In the Bid blocks tab, following fields are displayed
 - **Awarded quantity**
 - **Awarded price**

Product identification	Product name	Bid Quantity (MW)	Bid Price (EUR/MWH)	Awarded Quantity (MW)	Awarded Price (EUR/MWH)
BASE-----	Every day 00:00-24:00	24.0	0.94	24.0	0.0

Figure 59 Bid Screen after clearing 1

- The Bid could have different states (Fully selected, partially selected, Unselected, Cancelled). The participants can check these states in the menus below:
 - Current state: The current state of the bid is displayed in the list of bids (column Current state)
 - Bid identification tab: all bid states are displayed in the bid state list



Bid

Bid identification	Version	Corridor	TSO border	Auction identification	Divisible	Product	Qty (MW)	Price	Price unit of measurement	Current state	Action
BD00001-AT-CH	1	AT-CH		AT-CH-M-BASE—230501-01	YES	Every day 00 00-24 00	5.0	0.75	EUR/MWH	Fully selected	
BD00001-CZ-PL	1	CZ-PL		CEEKD-M-BASE—230501-02	YES	Every day 00 00-24 00	10.0	1.76	EUR/MWH	Fully accepted	
BD00001-FR-CH	2	FR-CH		FR-CH-M-BASE—230501-02	YES	Every day 00 00-24 00	5.0	0.75	EUR/MWH	Fully selected	
BD00001-FR-CH	3	FR-CH		FR-CH-M-BASE—230501-03	YES	Every day 00 00-24 00	1.0	0.97	EUR/MWH	Cancelled	
BD00001-PL-CZ	1	PL-CZ		CEEKD-M-BASE—230501-02	YES	Every day 00 00-24 00	5.0	0.75	EUR/MWH	Fully accepted	
BD00002-AT-CH	1	AT-CH		AT-CH-M-BASE—230501-01	YES	Every day 00 00-24 00	6.0	0.76	EUR/MWH	Fully selected	
BD00002-CZ-PL	1	CZ-PL		CEEKD-M-BASE—230501-02	YES	Every day 00 00-24 00	10.0	1.77	EUR/MWH	Fully accepted	
BD00002-FR-CH	2	FR-CH		FR-CH-M-BASE—230501-02	YES	Every day 00 00-24 00	6.0	0.76	EUR/MWH	Fully selected	
BD00002-FR-CH	3	FR-CH		FR-CH-M-BASE—230501-03	YES	Every day 00 00-24 00	10.0	1.01	EUR/MWH	Cancelled	
BD00002-PL-CZ	1	PL-CZ		CEEKD-M-BASE—230501-02	YES	Every day 00 00-24 00	6.0	0.76	EUR/MWH	Fully accepted	
BD00003-AT-CH	1	AT-CH		AT-CH-M-BASE—230501-01	YES	Every day 00 00-24 00	7.0	0.77	EUR/MWH	Fully selected	
BD00003-CZ-PL	1	CZ-PL		CEEKD-M-BASE—230501-02	YES	Every day 00 00-24 00	10.0	1.76	EUR/MWH	Fully accepted	

Details

Bid identification: BID00001-CZ-PL
 Corridor: CZ-PL
 Market period: 01-05-2023 00:00 / 01-05-2023 00:00
 Auction identification: CEEKD-M-BASE—230501-02

Bid states

State name	Creation time
Created	26-04-2023 08:48
Fully accepted	26-04-2023 08:48

Version: 1
 Last Version: YES
 Creation time: 26-04-2023 08:48
 Creation user: valkenfns

Parties

Bidder: DANSECOM
 Subject party: DANSECOM

Note: In the original image, a green box highlights the 'Current state' column in the bid list, and a red arrow points from this box to the 'Bid states' table in the details view. Another red arrow points from the 'Bid states' table to the text 'All states of the selected bid'. A third red arrow points from the 'Current state' column to the text 'Bid's current state'.

Figure 60 Bid List Screen after clearing 2

3) In the Allocation results menu:

- Go to the menu **Capacity right -> Allocation results**

After displayed the Allocation results Management view, the displayed allocation results can be filtered using a set of Filter properties.

► To filter the allocation results:

- In Filtering criteria, you could select
 - **Corridor**
 - **Horizon**
 - Select a Market Period (Auction delivery period)
 - ✓ For Daily Horizon: select a Day in DD-MM-YYYY format, for example: 29-04-2023
 - ✓ For Monthly Horizon: select a Year (for example: 2023) and a Month (for example: May)
 - ✓ For Yearly Horizon: select a Year (for example: 2023)
 - **Auction identification**: Select the auction identification from drop down list
- Click on *Refresh* button

The result of the allocation results filtering is displayed.

The presentation differs according to the horizon of the auction:

- ✓ Daily auctions: allocation results are displayed in columns and products are displayed in rows
- ✓ Long-Term auctions: allocation results are displayed in rows and products are displayed in columns.

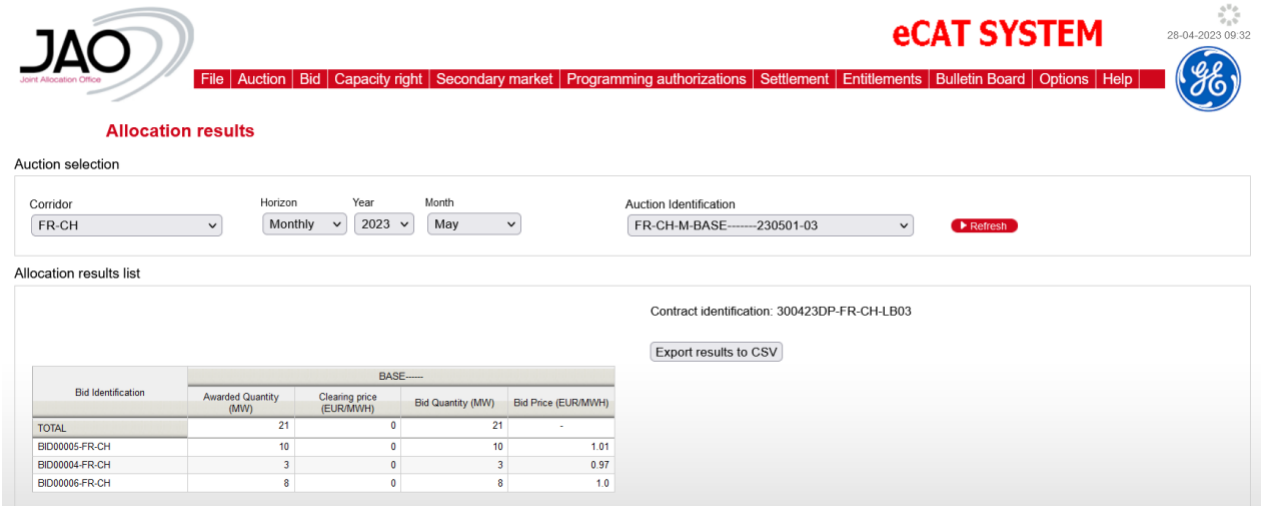
Long-term auctions:

The list presents the results on a bid-by-bid basis.

A row in the list represents one Bid and it gives the allocation results for this Bid:

- ✓ Awarded quantity (MW)
- ✓ Clearing price (EUR/MWH)
- ✓ Bid quantity (MW)
- ✓ Bid price (EUR/MWH)

Total awarded quantity (MW) and total bided quantity (MW) are displayed in the first row, just under the headers.



Allocation results

Auction selection

Corridor: FR-CH | Horizon: Monthly | Year: 2023 | Month: May | Auction Identification: FR-CH-M-BASE-----230501-03 | Refresh

Allocation results list

Contract identification: 300423DP-FR-CH-LB03

Export results to CSV

Bid Identification	BASE-----			
	Awarded Quantity (MW)	Clearing price (EUR/MWH)	Bid Quantity (MW)	Bid Price (EUR/MWH)
TOTAL	21	0	21	-
BID00005-FR-CH	10	0	10	1.01
BID00004-FR-CH	3	0	3	0.97
BID00006-FR-CH	8	0	8	1.0

Figure 61 Allocation results of long-term auctions

Daily auctions:

The 4 first columns of the list represent following information, for each hour of the day:

- ✓ Hourly product (Delivery hour)
- ✓ Total awarded quantity (MW),
- ✓ Clearing price (EUR/MWH)
- ✓ Offered capacity (MW).

Allocation results

Auction selection

Corridor CH-DE	Horizon Daily	Day 29.04.2023	Auction Identification CH-DE-D-DAILYPRODU-230429-01	Refresh
-------------------	------------------	-------------------	--	-------------------------

Allocation results list

Contract identification: 280423DP-CH-DE-EA01 [Export results to CSV](#)

Product name	Total Awarded Qty (MW)	Clearing price (EUR/MWH)	Offered Capacity (MW)	BID00001-CH-DE		
				Bid Quantity (MW)	Bid Price (EUR/MWH)	Awarded Quantity (MW)
00:00-01:00	800	0.05	1000	800	1.95	800
01:00-02:00	896	0.06	1000	896	1.95	896
02:00-03:00	997	0.25	1000	997	1.95	997
03:00-04:00	978	0.25	1000	978	1.95	978
04:00-05:00	889	0.06	1000	889	1.95	889
05:00-06:00	910	0.25	1000	910	1.95	910
06:00-07:00	811	0.05	1000	811	1.95	811
07:00-08:00	912	0.25	1000	912	1.95	912
08:00-09:00	713	0.01	1000	713	1.95	713
09:00-10:00	814	0.05	1000	814	1.95	814
10:00-11:00	915	0.25	1000	915	1.95	915
11:00-12:00	616	0.0	1000	616	1.95	616
12:00-13:00	917	0.25	1000	917	1.95	917
13:00-14:00	918	0.25	1000	918	1.95	918
14:00-15:00	819	0.05	1000	819	1.95	819
15:00-16:00	920	0.25	1000	920	1.95	920
16:00-17:00	921	0.25	1000	921	1.95	921
17:00-18:00	822	0.05	1000	822	1.95	822
18:00-19:00	923	0.25	1000	923	1.95	923
19:00-20:00	724	0.01	1000	724	1.95	724
20:00-21:00	925	0.25	1000	925	1.95	925
21:00-22:00	926	0.25	1000	926	1.95	926
22:00-23:00	627	0.0	1000	627	1.95	627
23:00-24:00	728	0.01	1000	728	1.95	728
Summary	20421	0.14				
	Total Awarded Qty	Average Price				

Figure 62 Allocation results of Daily auctions

The list presents the results on a bid-by-bid basis.

A group of 3 columns in the list represents one Bid and it gives the allocation results for this Bid and for each hour of the day:

- ✓ Bid quantity (MW)
- ✓ Bid price (EUR/MWh)
- ✓ Awarded quantity (MW).

Total awarded quantity (MW) and average auction price (EUR/MWh) are displayed in the last row, as summary information.

If an auction is cancelled after the result publication, the allocated capacity values are changed to 0 by the eCAT system.

Allocation results can be exported to a convenient CSV file by clicking the *Export results to CSV* button.

4.8 SECONDARY MARKET

4.8.1 Transfer of capacity rights

Any market participant can sell part or all their awarded capacity rights to another market participant.

The transfer must be declared to the capacity auction system through a **Transfer Notification**. This operation could be done either through the file upload of a Transfer Notification ECAN Rights document v4r0 document or using the New Transfer screen in the GUI.

If the transfer notification passes all business validation checks, then the transfer is recorded in the database, a positive acknowledgement is sent back to the transferor and the rights portfolio of the transferor is updated.

Transfer notifications have to be manually confirmed by the Transferee within 4 hours, but not later than Transfer deadline. If transfer is not approved within 4 hours, then the transfer notification is automatically cancelled by the System. When waiting for the transfer approval, the transfer notification is pending and the transferor can cancel the transfer.

As soon as a transfer notification is confirmed, the rights portfolio of the Beneficiary of the transfer is updated and the System sends to both transferor and transferee a **Notification of approved transfer** in the form of an ECAN Rights document v4r0. These notifications of approved transfer are available for download in the File download screen.

The transfer confirmation is sent by mail as an attachment to the Transferor and the Transferee within 30 minutes after the reception of the transfer notification.

In case of transfer rejection, the system generates only an acknowledgement with a negative status and reason for rejection to the transferor. No message is sent to the transferee.

Note: The financial transaction between participants for transfers of capacity rights is not managed by the capacity auction system.

4.8.1.1 Transfer Notification submission rules

To be properly integrated by the system, transfer notifications must follow some rules:

- Transfer notifications including transfers on market day D must be received before closure of the 'LT Transfer' gate, that gate closing every day at a configurable time (depending on the domain) before the sending of LT programming authorizations to TSOs.
- Transferor must be the owner of the capacity to be transferred.
- Transferor and transferee must correspond to registered Capacity traders that are valid over all the transfer period.
- Transferee must hold an entitlement for the directed border (whatever the horizon) on which the transfer takes place.
- For yearly capacity, the length of the transfer should not exceed the period for which the money for yearly capacity has been blocked on the business bank account (i.e., If a Market Participant does a transfer on the 16th of March 2023, then yearly capacity can be transferred only from 18/03/2023 to 30/04/2023). The Market Participant can ask JAO to deactivate this rule, once he paid the months of the period he wants to transfer. A Transfer notification document should contain one transfer on one single auction.
- Transfer period can be on one or several days.
- The minimum resolution of the transfer is 1 MW over 1 hour.
- There is no versioning of transfer notifications.
- To cancel a transfer, the transferee should declare a reverse transfer.

4.8.1.2 New Transfer Notification through GUI

Users can declare a new transfer notification through submenu 'New transfer notification' in Secondary market menu



Figure 63 New transfer notification menu

Note that if participants cannot access to the GUI, they may use the surrogate secondary market mode and contact JAO operators to launch downgraded mode.

► **To declare a new transfer notification:**

Find the auction by filtering the parameters below:

- type: Select **Transfer** from drop down menu
- corridor: Select the **corridor**
- horizon: Select the **horizon** of the auction from the drop-down menu
- transfer period start: Select the **transfer period start** from calendar icon
- transfer period end: Select the **transfer period start** from calendar icon

Click on Refresh button. The participant can now select the related auction.

- Auction identification: select the auction from drop down list where the rights to be transferred were acquired
- Transferee: the identification of the “transferee” party
- Days (All days, by default): subset of days within the transfer period on which the transfer should be applied (All days, working days, Saturday and Sunday, Working days and Saturday, or Sunday)
- Exclude maintenance periods (disabled by default): by enabling this checkbox, the Transferor declares that he wants to exclude maintenance periods with ATC=0 when processing the transfer.

- In the Transfer Notification schedule part, specify the quantity to be transferred out of the available transferable capacity for each hour of the day. This daily schedule will be applied for all days of the transfer period.
 - As a shortcut to quickly fill up the 24 hours of the daily schedule, users can specify a percentage of the available transferable capacity and press the “Set for whole period” button
 - To quickly fill up the schedule, set the quantity of the first hour and press the **V button** on the right side of a given hour. It will fill the quantity boxes to all following hours.

New Transfer Notification

Transfer Notification General Parameters

▶ Refresh

Type: Transfer | Corridor: CZ-PL | Horizon: Monthly | Transfer period start: 01.05.2023 | Transfer period stop: 01.06.2023

Transfer notification Parameters

Auction identification (Product Identification): CEEXD-M-BASE-----230501-01(BASE-----)

Transferee: DANSKECOM

Days: All days

Exclude maintenance periods

▶ Save

Transfer notification Schedule

0.0 % of available transferable capacity ▶ Set for whole period

Time Interval	Available Transferable Capacity	Quantity (MW)	
00:00 - 01:00	190.0	<input type="text" value="50.0"/>	v
01:00 - 02:00	190.0	<input type="text" value="50.0"/>	v
02:00 - 03:00	190.0	<input type="text" value="50.0"/>	v
03:00 - 04:00	190.0	<input type="text" value="50.0"/>	v
04:00 - 05:00	190.0	<input type="text" value="50.0"/>	v
05:00 - 06:00	190.0	<input type="text" value="50.0"/>	v
06:00 - 07:00	190.0	<input type="text" value="50.0"/>	v
07:00 - 08:00	190.0	<input type="text" value="50.0"/>	v

Figure 64 New Transfer Notification screen

The submission of the transfer notification to the explicit auction system is immediate as soon as the ‘Save’ button is pressed.

4.8.1.3 New transfer notification through File Upload

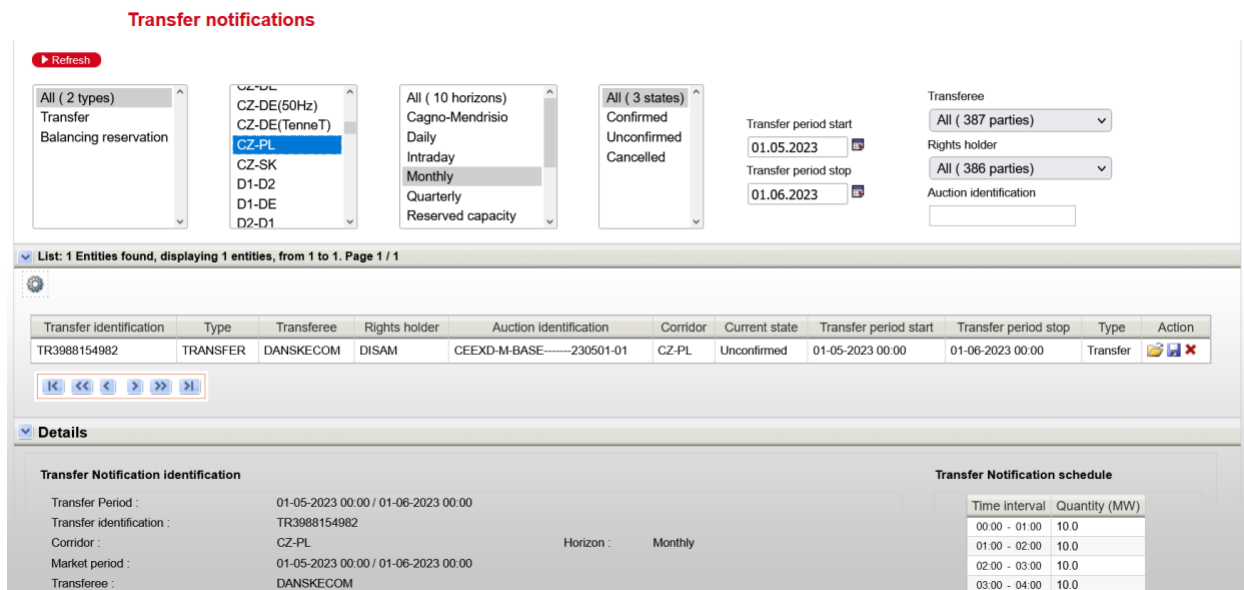
The procedure to upload a transfer notification file into the capacity auction system is the generic procedure to upload a file into the capacity auction system.

It is done from the File Upload screen. The parsing follow-up and the review of acknowledgement can be done with either Event log or File Download screen. Please refer to preliminary sections to get the detailed instructions on how to upload a file, check the acknowledgement status and review the details of acknowledgement.

4.8.1.4 Transfer notification control

With the Transfer Notification display, participants have access to all transfer notifications they have submitted or for which they are the transferee.

To display the list of confirmed transfer notifications, select the menu **Secondary market -> Transfer Notification List**, enter filtering criteria and press the refresh button.



Transfer notifications

Refresh

All (2 types)
 Transfer
 Balancing reservation

CZ-PL
 CZ-DE(50Hz)
 CZ-DE(TenneT)
 CZ-PL
 CZ-SK
 D1-D2
 D1-DE
 D2-D1

All (10 horizons)
 Cagno-Mendrisio
 Daily
 Intraday
 Monthly
 Quarterly
 Reserved capacity

All (3 states)
 Confirmed
 Unconfirmed
 Cancelled

Transferee
 All (387 parties)

Rights holder
 All (386 parties)

Auction identification

Transfer period start
 01.05.2023

Transfer period stop
 01.06.2023

List: 1 Entities found, displaying 1 entities, from 1 to 1. Page 1 / 1

Transfer identification	Type	Transferee	Rights holder	Auction identification	Corridor	Current state	Transfer period start	Transfer period stop	Type	Action
TR3988154982	TRANSFER	DANSKECOM	DISAM	CEEXD-M-BASE-----230501-01	CZ-PL	Unconfirmed	01-05-2023 00:00	01-06-2023 00:00	Transfer	

Details

Transfer Notification identification

Transfer Period : 01-05-2023 00:00 / 01-06-2023 00:00
 Transfer identification : TR3988154982
 Corridor : CZ-PL
 Market period : 01-05-2023 00:00 / 01-06-2023 00:00
 Transferee : DANSKECOM

Transfer Notification schedule

Time interval	Quantity (MW)
00:00 - 01:00	10.0
01:00 - 02:00	10.0
02:00 - 03:00	10.0
03:00 - 04:00	10.0

Figure 65 Transfer Notification screen

The filtering criteria include the corridor name, the horizon, and the transfer period (start and stop).

The list of notifications determined by the filtering includes the major characteristics of the transfer (transferee, rights holder, auction ID, corridor, transfer status, transfer period, type, and Action).

The details section provides additional information including the capacity right contract from which rights were ceased and the schedule of transfer over the transfer period.

▶ To confirm a transfer notification:

- Select the transfer notification to be confirmed (status of this transfer should be **UNCONFIRMED**)
- Click on the “**Confirm transfer**” icon in the Action column
- The transfer is confirmed right after the click on the “Confirm transfer” icon.

▶ To cancel a transfer notification:

- Select the transfer notification to be cancelled (status of this transfer should be **UNCONFIRMED**)
- Click on the “**Cancel transfer**” icon in the Action column
- The transfer is cancelled right after the click on the “Cancel transfer” icon.

4.8.2 Balancing service for capacity rights

Any market participant can sell part or all their awarded capacity rights to a TSO.

The transfer must be declared to the capacity auction system through a **Balancing reservation**. This operation can be done either through the file upload of a Transfer Notification ECAN Rights document v4r0 or using the New Transfer screen in the GUI.

If the transfer notification passes all business validation checks, then the transfer is recorded in the database, a positive acknowledgement is sent back to the transferor and the rights portfolio of the transferor is updated.

Balancing reservations have to be manually confirmed by the Transferee within 4 hours, but not later than Transfer deadline. If transfer is not approved within 4 hours, then the transfer notification is automatically cancelled by the System. When waiting for the transfer approval, the transfer notification is pending and the transferor can cancel the transfer.

As soon as a transfer notification is confirmed, the rights portfolio of the Beneficiary of the transfer is updated and the System sends to both transferor and transferee a **Notification of approved transfer** in the form of an ECAN Rights document v4r0. These notifications of approved transfer are available for download in the File download screen.

The transfer confirmation is sent by mail as an attachment to the Transferor and the Transferee within 30 minutes after the reception of the transfer notification.

In case of transfer rejection, the system generates only an acknowledgement with a negative status and reason for rejection to the transferor. No message is sent to the transferee.

Note: The financial transaction between participants for balancing reservations of capacity rights is not managed by the capacity auction system.

4.8.2.1 Balancing reservation submission rules

To be properly integrated by the system, balancing reservations must follow some rules:

- Balancing reservations for LT capacity rights must be received before closure of the 'LT Transfer' gate, that gate closing every day at a configurable time (depending on the domain) before the sending of LT programming authorizations to TSOs.
- Balancing reservations for daily capacity rights must be received before closure of the 'Daily balancing reservation' gate, that gate closing every day at a configurable time (depending on the domain) before the sending of Daily programming authorizations to TSOs.
- Transferor must be the owner of the capacity to be transferred.
- Transferor must correspond to registered Interconnection Trade Responsible that is valid over the entire transfer period.
- Transferee must correspond to registered System Operator that is valid over the entire transfer period on the specific domain corresponding to border that the reservation is made for.
- Transferee must be a TSO responsible for the border that the Balancing reservation is made on (System Operator for the specific domain of the border).
- For yearly capacity, the length of the transfer should not exceed the period for which the money for yearly capacity has been blocked on the business bank account (i.e., If a Market Participant does a transfer on the 16th of April 2023, then yearly capacity can be transferred only from 18/04/2023 to 30/05/2023). The Market Participant can ask JAO to deactivate this rule, once he paid the months of the period he wants to transfer.
- A Balancing reservation document should contain one transfer on one single auction.
- Transfer period can be on one or several days.
- The minimum resolution of the transfer is 1 MW over 1 hour.

- There is no versioning of Balancing reservations
- To cancel a balancing reservation, the transferee should declare a reverse balancing reservation or click on the “X” icon related to the balancing reservation from the *Transfer notification* screen.

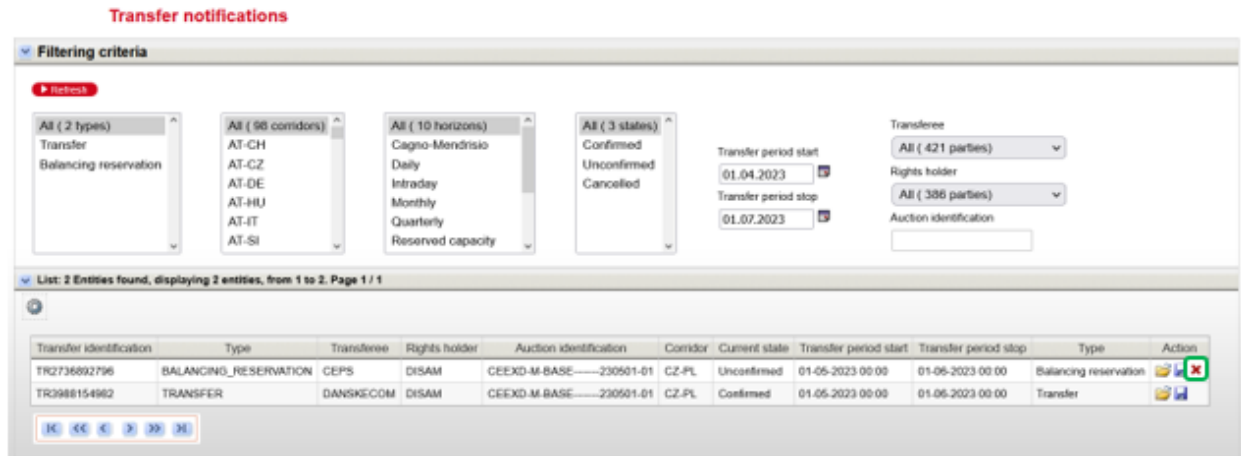


Figure 66 Balancing reservation cancellation by the transferor

4.8.2.2 Balancing reservation through GUI

Users can declare a new balancing reservation through submenu ‘New transfer notification’ in Secondary market menu



Figure 67 New transfer notification menu option

Note that if participants cannot access to the GUI, they may use the surrogate secondary market mode and contact JAO operators to launch downgraded mode.

► To declare a new balancing reservation:

Find the auction by filtering the parameters below:



- type: Select **Transfer** from drop down menu
- corridor: Select the **corridor**
- horizon: Select the **horizon** of the auction from the drop-down menu
- transfer period start: Select the **transfer period start** from calendar icon
- transfer period end: Select the **transfer period start** from calendar icon

Click on Refresh button. The participant can now select the related auction.

- Auction identification: select the auction from drop down list where the rights to be transferred were acquired
- Transferee: the identification of the “transferee” party
- Days (All days, by default): subset of days within the transfer period on which the transfer should be applied (All days, working days, Saturday and Sunday, Working days and Saturday, or Sunday)
- Exclude maintenance periods (disabled by default): by enabling this checkbox, the Transferor declares that he wants to exclude maintenance periods with ATC=0 when processing the transfer.
- In the Transfer Notification schedule part, specify the quantity to be transferred out of the available transferable capacity for each hour of the day. This daily schedule will be applied for all days of the transfer period.
 - As a shortcut to quickly fill up the 24 hours of the daily schedule, users can specify a percentage of the available transferable capacity and press the “Set for whole period” button
 - To quickly fill up the schedule, set the quantity of the first hour and press the **V button** on the right side of a given hour. It will fill the quantity boxes to all following hours.

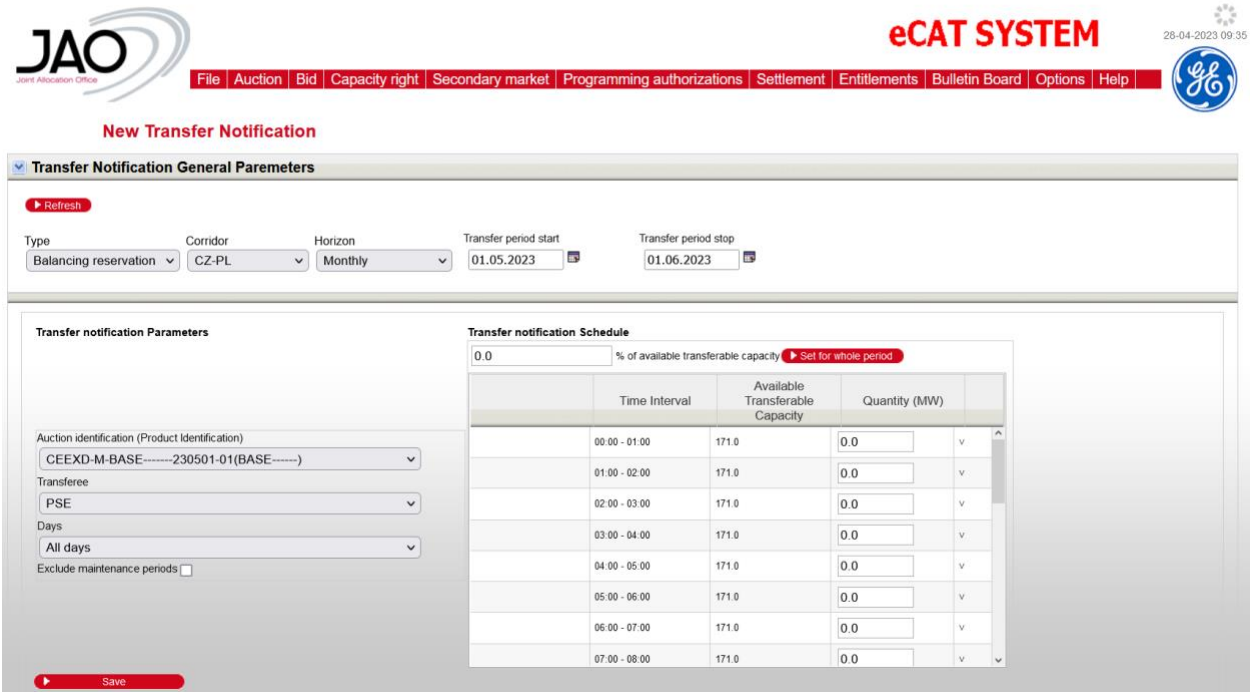


Figure 68 New Transfer Notification screen

The submission of the balancing reservations to the explicit auction system is immediate as soon as the 'Save' button is pressed.

4.8.2.3 Balancing reservation through File Upload

The procedure to upload a balancing reservation file into the capacity auction system is the generic procedure to upload a file into the capacity auction system. It is done from the File Upload screen. The parsing follow-up and the review of acknowledgement can be done with either Event log or File Download screen. Please refer to preliminary sections to get the detailed instructions on how to upload a file, check the acknowledgement status and review the details of acknowledgement.

The file format for the balancing reservations is the same as for transfer notifications.

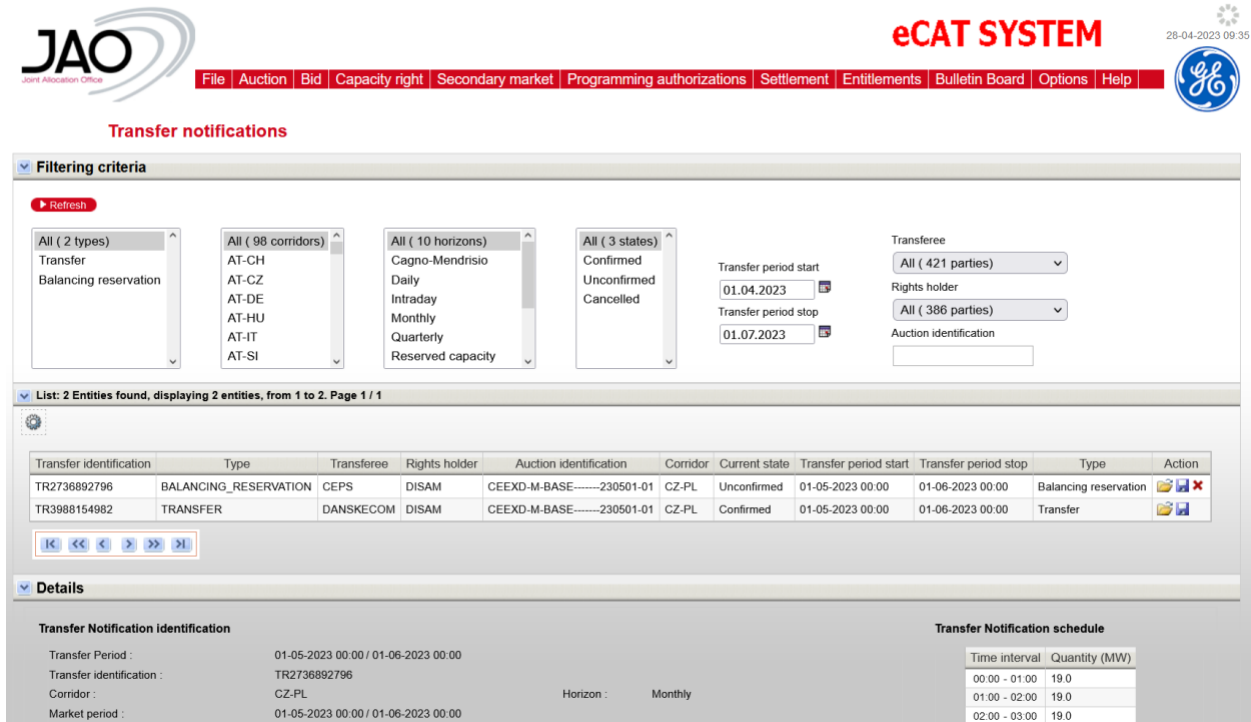
4.8.2.4 Balancing reservation control

With the Transfer Notification display, participants have access to all balancing reservations they have submitted.

Information note:

The TSOs have access to the web application but with limitations.

To display the list of transfer notifications, go the menu **Secondary market** -> **'Transfer Notification List'**, enter filtering criteria and press the refresh button.



Transfer notifications

Filtering criteria

Refresh

All (2 types)
Transfer
Balancing reservation

All (98 corridors)
AT-CH
AT-CZ
AT-DE
AT-HU
AT-IT
AT-SI

All (10 horizons)
Cagno-Mendrisio
Daily
Intraday
Monthly
Quarterly
Reserved capacity

All (3 states)
Confirmed
Unconfirmed
Cancelled

Transferee: All (421 parties)

Rights holder: All (386 parties)

Auction identification: []

Transfer period start: 01.04.2023

Transfer period stop: 01.07.2023

List: 2 Entities found, displaying 2 entities, from 1 to 2. Page 1 / 1

Transfer identification	Type	Transferee	Rights holder	Auction identification	Corridor	Current state	Transfer period start	Transfer period stop	Type	Action
TR2736892796	BALANCING_RESERVATION	CEPS	DISAM	CEEXD-M-BASE-----230501-01	CZ-PL	Unconfirmed	01-05-2023 00:00	01-06-2023 00:00	Balancing reservation	[] [X]
TR3988154982	TRANSFER	DANSKECOM	DISAM	CEEXD-M-BASE-----230501-01	CZ-PL	Confirmed	01-05-2023 00:00	01-06-2023 00:00	Transfer	[] []

Details

Transfer Notification identification

Transfer Period : 01-05-2023 00:00 / 01-06-2023 00:00
 Transfer identification : TR2736892796
 Corridor : CZ-PL
 Market period : 01-05-2023 00:00 / 01-06-2023 00:00

Transfer Notification schedule

Time interval	Quantity (MW)
00:00 - 01:00	19.0
01:00 - 02:00	19.0
02:00 - 03:00	19.0

Figure 69 Transfer Notification screen

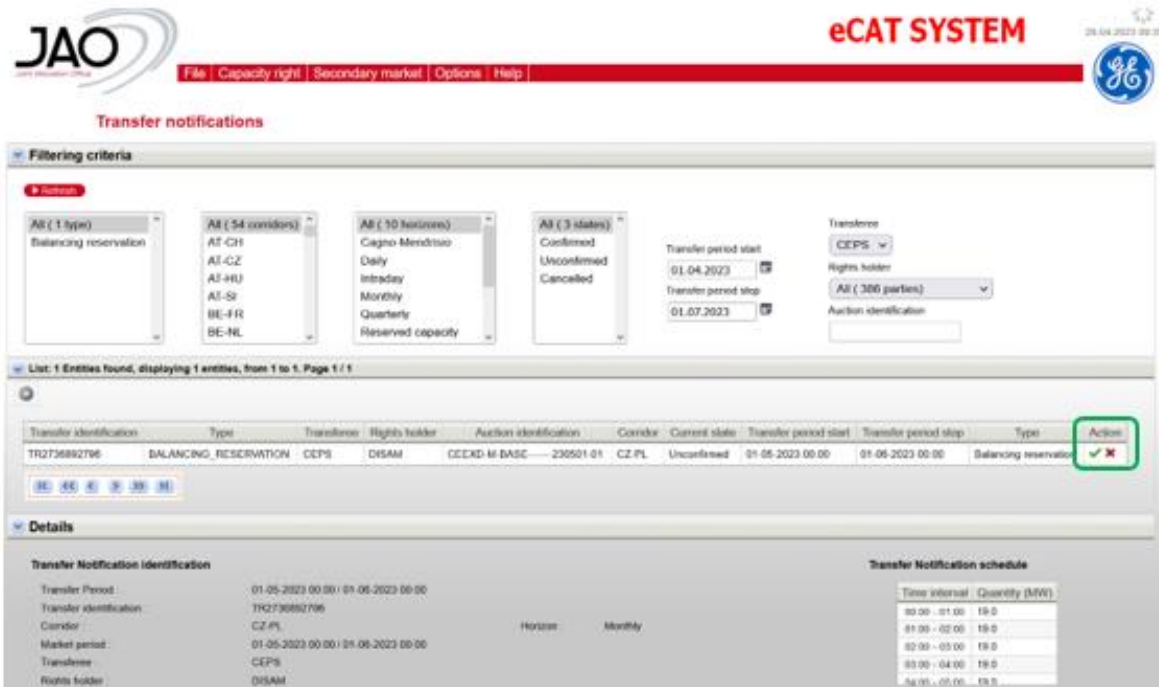
The filtering criteria include the corridor name, the horizon, the transferee and the rights holder one of them being the connected participant and a period intersecting the searched transfer period.

The list of notifications determined by the filtering includes the major characteristics of the transfer: transferee, rights holder, auction where original rights were acquired, corridor, transfer status, transfer period and access to the transfer notification file.

The details section provides additional information including the capacity right contract from which rights were ceased and the daily schedule of transfer over the transfer period.

- ▶ To confirm a balancing reservation:
 - The TSO select the balancing reservation to be confirmed (status of this transfer should be **UNCONFIRMED**)
 - Click on the “**Confirm**” icon in the Action column
 - The balancing reservation is confirmed right after the click on the “Confirm” icon.

- ▶ To cancel a balancing reservation :
 - Select the balancing reservation to be cancelled (status of this transfer should be **UNCONFIRMED**)
 - Click on the “**Cancel**” icon in the Action column
 - The balancing reservation is cancelled right after the click on the “Cancel” icon.



The screenshot shows the eCAT SYSTEM interface for JAO. The main content area displays a table of balancing reservations. The first row is highlighted, showing a reservation with ID TR2736892796, type BALANCING_RESERVATION, transferor CEPS, rights holder DISAM, and current state UNCONFIRMED. The 'Action' column for this row contains a green checkmark icon, indicating it is the selected reservation.

Transfer identification	Type	Transferor	Rights holder	Auction identification	Condit	Current state	Transfer period start	Transfer period stop	Type	Action
TR2736892796	BALANCING_RESERVATION	CEPS	DISAM	CEED-M-BASC-236501-01	CZ-PL	Unconfirmed	01.05.2023 00:00	01.06.2023 00:00	Balancing reservation	✓ ✕

The details section below the table provides further information about the selected reservation, including the transfer period (01.05.2023 00:00 to 01.06.2023 00:00), the auction identification (CEED-M-BASC-236501-01), the condition (CZ-PL), the market period (01.05.2023 00:00 to 01.06.2023 00:00), the transferor (CEPS), and the rights holder (DISAM). The transfer notification schedule is also displayed, showing time intervals and quantities in MW.

Figure 70 Cancel/Confirm Balancing reservation by the TSO

4.8.3 Resale of capacity rights

Resale is managed by the capacity auction system as a financial transaction. There is a compensation of the resold capacity.

The resale must be declared to the capacity auction system through a **Resale Notification**. This operation can be done either through the file upload of a Resale Notification ECAN Rights document v4r0 document or using the New Resale screen in the GUI.

The update of the right portfolio is made as soon as the resale request has been accepted.

In case of resale rejection, the system only generates an acknowledgement with a negative status and reason for rejection.

4.8.3.1 Resale Notification submission rules

To be properly integrated by the system, resale notifications must follow some rules:

- Resale notifications must be received during the LT Resale gate of the target auction: this usually takes place after auction creation and before bid submission
- Reseller must be the owner of the capacity to be resold
- Reseller must be a registered Capacity trader
- The source auction product must be the same auction product as the target auction product, i.e. Yearly Base can only be sold to Monthly Base, and Yearly Peak can only be sold to Monthly Peak.
- A Resale notification document should contain one resale from one single auction to one single shorter-term auction
- Released capacity is a constant volume if the shorter-term auction is a monthly auction
- Resale period is the delivery period of the target auction (one month if the target auction is a monthly auction; one day if the target auction is a daily auction)
- Yearly capacity can be resold only to the next monthly auctions, taking into consideration the resale deadline of 5 working days (therefore on the 16th of April 2023 a Market Participant can do a resale to Monthly auctions of May 2023, but he can't do a resale to Monthly auctions of June 2023). The Market Participant can ask JAO to deactivate this rule, once he paid the whole remaining due amount for the yearly capacity.
- The amount of released capacity must be less than the minimum available capacity considering all hours of the resale period
- To modify resale notifications, higher version of those resale notifications with same document identification should be issued

- To cancel a resale, you should declare a higher version of resale notification with an amount of resale equal to 0

4.8.3.2 New Resale Notification through GUI

Users can declare a new resale notification through the menu **Secondary market** -> '**New resale notification**'



Figure 71 New resale Notification menu option

► To declare a new resale notification:

✓ Resale notification General Parameters:

Find the auction by filtering the parameters below

- **Corridor:** Select the **corridor** from drop down list
- **Source horizon:** Select the LT **source horizon** (Yearly, seasonally...)
- **Target horizon:** Select the **target horizon** (Quarterly, Monthly...)
- **Resale period:** Select the Year and Month if the target horizon is Monthly

Click on Refresh button. The participant can now select the auctions (source and target).

✓ Capacity Right identification

- **Source Auction identification:** Select the **source** auction where the rights were acquired from the drop-down list
- **Target Auction identification:** Select the target auction where rights will be released from the drop-down list.

✓ Resale Notification schedule

- Specify the quantity to be released out of the available releasable capacity for each hour of the resale period.

- As a shortcut to determine the released capacity, users can specify a percentage of the available releasable capacity and press the “Set for whole period” button

New Resale Notification

Resale Notification General Parameters

Capacity right identification

Source Auction identification (Product Id)

Target Auction identification (Product Id)

Resale notification Schedule

0.0 % of available releasable capacity ▶ Set for whole period

Product id	Product name	Available Releasable Capacity	Quantity (MW)	
BASE-----	Every day 00:00-24:00	524.0	<input type="text" value="200.0"/>	v

▶ Save

Figure 72 New Resale Notification screen

The submission of the resale notification to the explicit auction system is immediate as soon as the ‘Save’ button is pressed.

4.8.3.3 New resale notification through File Upload

The procedure to upload a resale notification file into the capacity auction system is the generic procedure to upload a file into the capacity auction system.

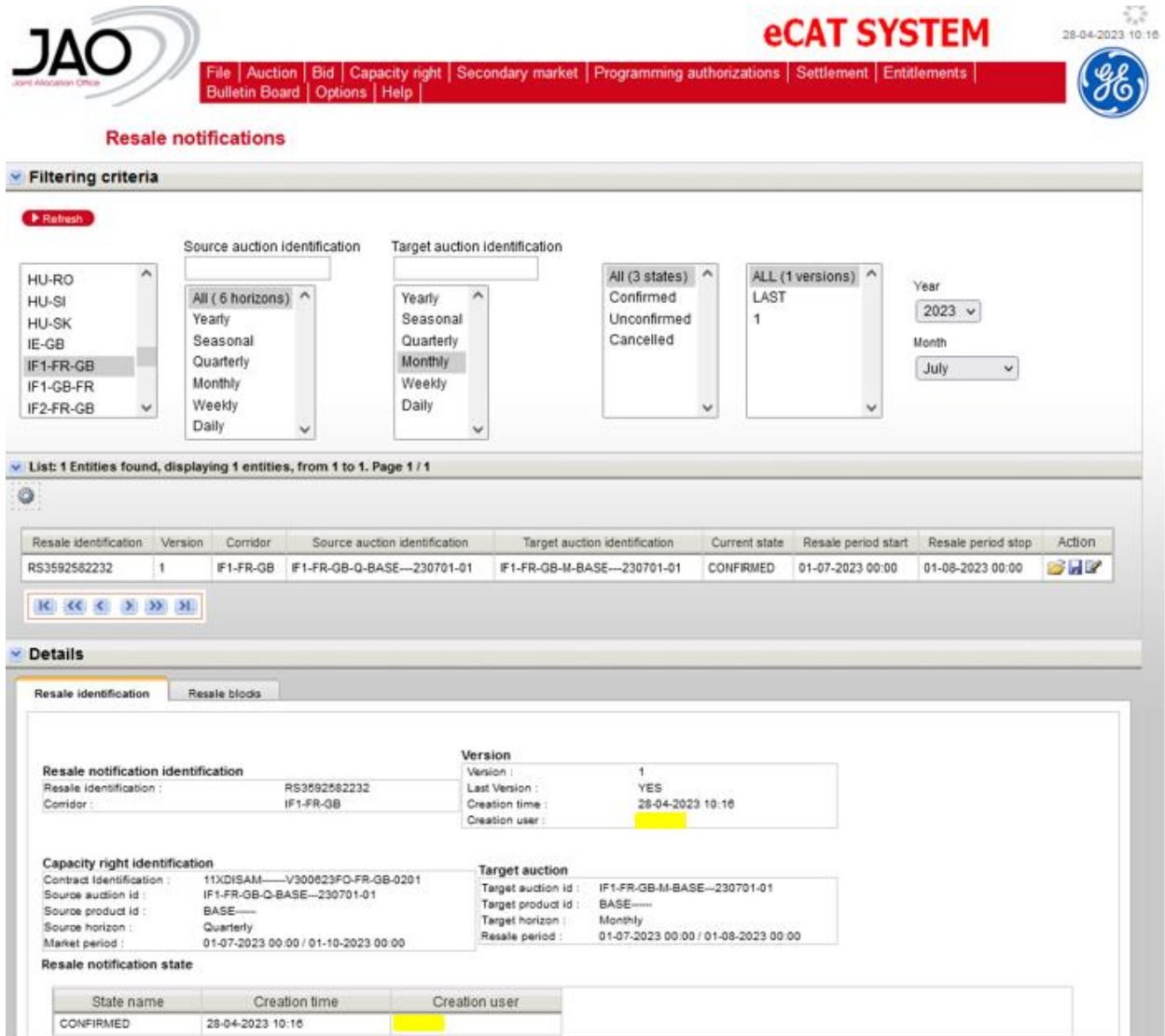
It is done from the File Upload screen. The parsing follow-up and the review of acknowledgement can be done with the File Download screen.

Please refer to preliminary sections to get the detailed instructions on how to upload a file, check the acknowledgement status and review the details of acknowledgement.

4.8.3.4 Resale notification control

With the Resale Notification display, participants have access to all resale notifications they have submitted.

To display the list of confirmed resale notification, select the menu **Secondary market** -> **'Resale Notification List'**, enter filtering criteria and press the refresh button.



Resale notifications

Filtering criteria

Refresh

Source auction identification: All (6 horizons) [Yearly, Seasonal, Quarterly, Monthly, Weekly, Daily]

Target auction identification: Monthly [Yearly, Seasonal, Quarterly, Monthly, Weekly, Daily]

All (3 states) [Confirmed, Unconfirmed, Cancelled]

ALL (1 versions) [LAST, 1]

Year: 2023

Month: July

List: 1 Entities found, displaying 1 entities, from 1 to 1. Page 1 / 1

Resale identification	Version	Corridor	Source auction identification	Target auction identification	Current state	Resale period start	Resale period stop	Action
RS3592582232	1	IF1-FR-GB	IF1-FR-GB-Q-BASE---230701-01	IF1-FR-GB-M-BASE---230701-01	CONFIRMED	01-07-2023 00:00	01-08-2023 00:00	

Details

Resale identification: RS3592582232

Corridor: IF1-FR-GB

Version: 1

Last Version: YES

Creation time: 28-04-2023 10:16

Creation user: [Redacted]

Capacity right identification: Contract identification: 11XDISAM---V300823FO-FR-GB-0201

Source auction id: IF1-FR-GB-Q-BASE---230701-01

Source product id: BASE---

Source horizon: Quarterly

Market period: 01-07-2023 00:00 / 01-10-2023 00:00

Target auction: Target auction id: IF1-FR-GB-M-BASE---230701-01

Target product id: BASE---

Target horizon: Monthly

Resale period: 01-07-2023 00:00 / 01-08-2023 00:00

Resale notification state

State name	Creation time	Creation user
CONFIRMED	28-04-2023 10:16	[Redacted]

Figure 73 Resale Notification list screen

The filtering criteria include the corridor name, the horizon of the original auction (yearly, seasonally, quarterly or monthly), the horizon of the target auction (seasonally, quarterly, monthly) and a period intersecting the searched resale period.

The list of notifications determined by the filtering includes the major characteristics of the resale: resale, identification, version number, corridor, source auction where original rights were acquired, target auction where rights are released, resale status, resale period and actions (open, download, or modify resale).

The Resale Identification tab of the details section provides additional information including the capacity right contract from which rights were released, the version of resale notification, a detailed description of the target auction.

Resale notifications

Details

Resale identification

Resale blocks

<p>Resale notification identification</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Resale identification :</td> <td>RS3592582232</td> </tr> <tr> <td>Corridor :</td> <td>IF1-FR-GB</td> </tr> </table>	Resale identification :	RS3592582232	Corridor :	IF1-FR-GB	<p>Version</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Version :</td> <td>1</td> </tr> <tr> <td>Last Version :</td> <td>YES</td> </tr> <tr> <td>Creation time :</td> <td>28-04-2023 10:16</td> </tr> <tr> <td>Creation user :</td> <td>[Redacted]</td> </tr> </table>	Version :	1	Last Version :	YES	Creation time :	28-04-2023 10:16	Creation user :	[Redacted]						
Resale identification :	RS3592582232																		
Corridor :	IF1-FR-GB																		
Version :	1																		
Last Version :	YES																		
Creation time :	28-04-2023 10:16																		
Creation user :	[Redacted]																		
<p>Capacity right identification</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Contract Identification :</td> <td>11XDISAM-----V300623FO-FR-GB-0201</td> </tr> <tr> <td>Source auction id :</td> <td>IF1-FR-GB-Q-BASE--230701-01</td> </tr> <tr> <td>Source product id :</td> <td>BASE-----</td> </tr> <tr> <td>Source horizon :</td> <td>Quarterly</td> </tr> <tr> <td>Market period :</td> <td>01-07-2023 00:00 / 01-10-2023 00:00</td> </tr> </table>	Contract Identification :	11XDISAM-----V300623FO-FR-GB-0201	Source auction id :	IF1-FR-GB-Q-BASE--230701-01	Source product id :	BASE-----	Source horizon :	Quarterly	Market period :	01-07-2023 00:00 / 01-10-2023 00:00	<p>Target auction</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Target auction id :</td> <td>IF1-FR-GB-M-BASE--230701-01</td> </tr> <tr> <td>Target product id :</td> <td>BASE-----</td> </tr> <tr> <td>Target horizon :</td> <td>Monthly</td> </tr> <tr> <td>Resale period :</td> <td>01-07-2023 00:00 / 01-08-2023 00:00</td> </tr> </table>	Target auction id :	IF1-FR-GB-M-BASE--230701-01	Target product id :	BASE-----	Target horizon :	Monthly	Resale period :	01-07-2023 00:00 / 01-08-2023 00:00
Contract Identification :	11XDISAM-----V300623FO-FR-GB-0201																		
Source auction id :	IF1-FR-GB-Q-BASE--230701-01																		
Source product id :	BASE-----																		
Source horizon :	Quarterly																		
Market period :	01-07-2023 00:00 / 01-10-2023 00:00																		
Target auction id :	IF1-FR-GB-M-BASE--230701-01																		
Target product id :	BASE-----																		
Target horizon :	Monthly																		
Resale period :	01-07-2023 00:00 / 01-08-2023 00:00																		

Resale notification state

State name	Creation time	Creation user
CONFIRMED	28-04-2023 10:16	[Redacted]

Figure 74 Resale identification tab in Resale Notification screen

The Resale blocks tab of the details section gives the amount of released quantity from the yearly, seasonally, quarterly auction to the seasonally, quarterly, monthly auction through the selected resale.



Resale notifications

Details

Resale identification **Resale blocks**

Product identification	Product name	Released quantity (MW)
BASE-----	Every day 00:00-24:00	200.0

Figure 75 Resale blocks tab in Resale Notification screen

4.9 CAPACITY RIGHT PORTFOLIO MANAGEMENT

The capacity auction system maintains portfolios of capacity rights.

Capacity rights portfolios are created or updated upon

- Publication of allocation results
- Auction cancellation
- Transfer
- Resale
- Capacity curtailment

The details of transactions leading to an update of capacity right portfolios can be checked by participants at any time in the Capacity right list screen.

4.9.1 Review details of capacity right portfolio

Users can review the details of capacity right portfolios through submenu 'Capacity right list' in Capacity right menu



Figure 76 Capacity right list menu

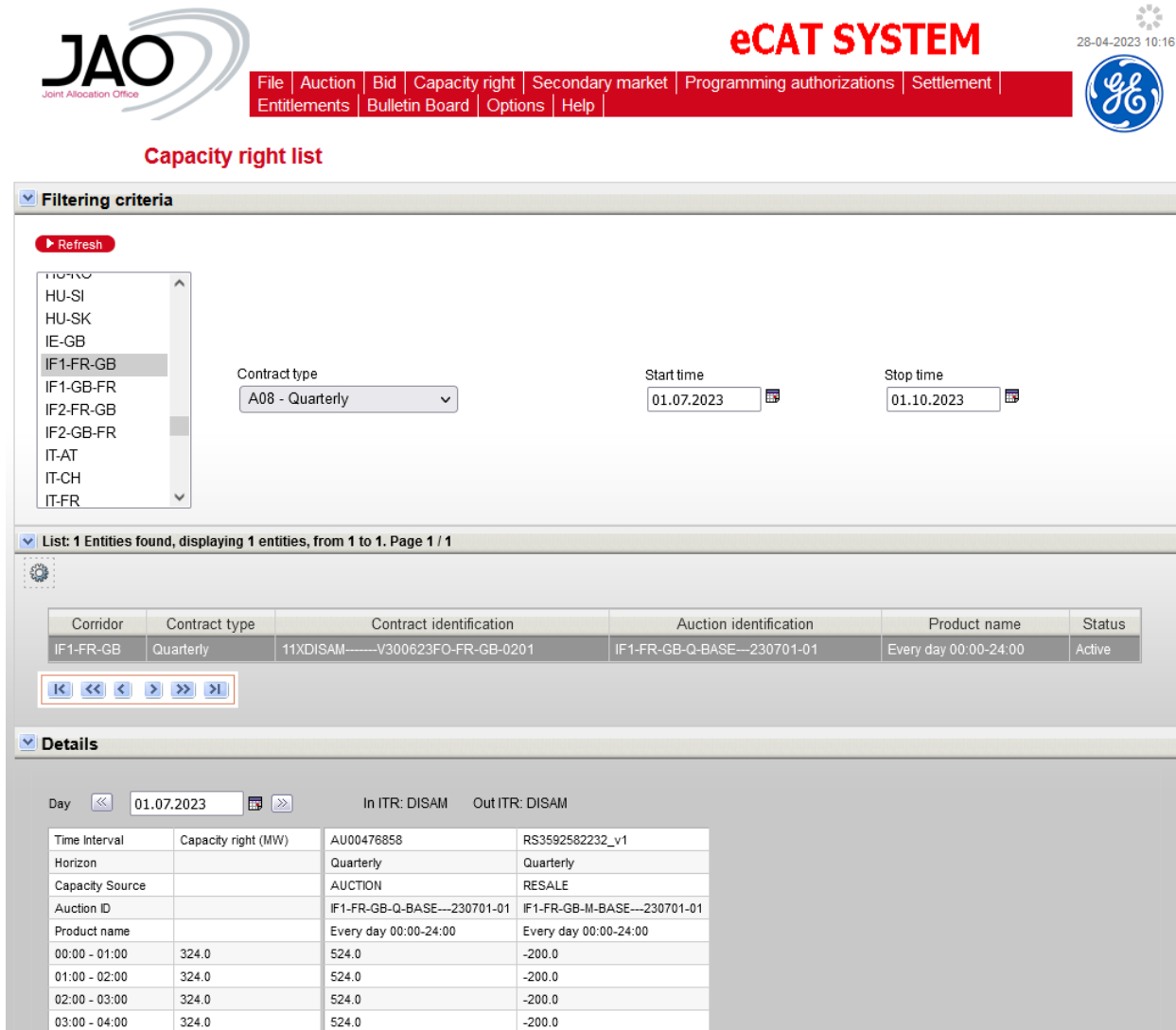


Figure 77 Capacity right list screen

The filtering criteria include the corridor name and the contract type.

The list of contracts determined by the filtering includes the major characteristics of the contracts: corridor, contract type, contract identification, auction identification, product name, and status.

To get the details of the portfolio for a given day of the contract period, users should select that day in the Details section.

For each hour of the selected day, users can see a column on the left indicating the current value of capacity rights, and a column on the right for each transaction leading to a change of capacity rights: auction, resale, auction cancellation. Lost Rights appear with a minus sign.

4.10 ITR DESIGNATION

Capacity traders that are not Interconnection Trade Responsible (ITR) on the corridors where they bid must declare the parties that will play the ITR role on both in Area and out Area of those corridors. This is managed by the capacity auction system and generally set up when the capacity traders register to the system.

The ITR designation can also be redefined per auction.

The deadline for such ITR designation change is the gate at the end of which programming authorizations are issued.

Capacity Traders have an interface in the participant UI to set the ITR designation for a given auction manually in the New ITR Designation screen.

In case they do not have access to the capacity auction participant UI, they may request JAO operators to perform that operation on their behalf through file upload.

Limitation on ITR Designation

A new ITR designation submitted on day D before LT programming authorization gate applies for all the rights acquired on the target LT auction from D+2 up to the end of the rights period.

Please, refer to diagrams below to understand how this limitation applies:

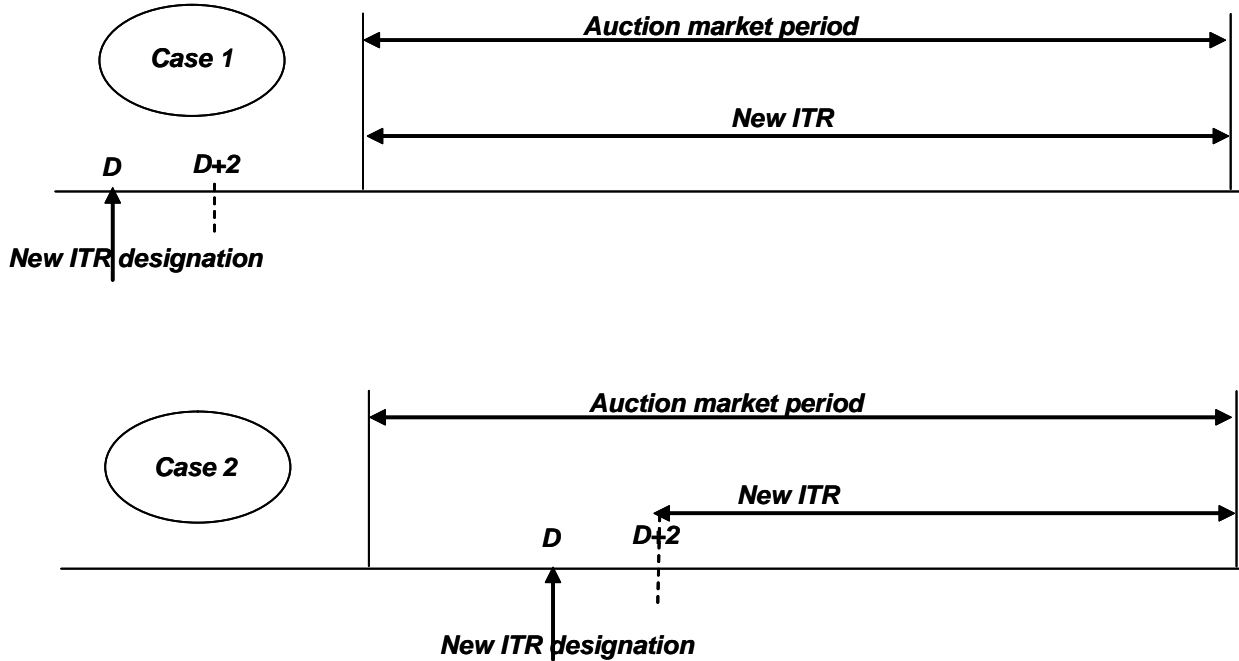


Figure 78 Applicability of ITR Designation

4.10.1 New ITR Designation through GUI

Users can declare a new ITR designation through submenu 'New ITR Designation' in the Programming Authorizations menu:



Figure 79 New ITR Designation menu option

New ITR designation

Filtering criteria

▶ Refresh

Corridor	Horizon	Delivery date start	Delivery date stop	Auction identification
IF1-FR-GB	Quarterly ▾	01.07.2023 <input type="text"/>	01.10.2023 <input type="text"/>	IF1-FR-GB-Q-BASE---23070 ▾

ITR Designation Details

<p>Default ITR parties</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ITR for in area</td> <td>DISAM</td> </tr> <tr> <td>ITR for out area</td> <td>DISAM</td> </tr> </table>	ITR for in area	DISAM	ITR for out area	DISAM	<p>Current ITR parties for this designation</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">New ITR for in area</td> <td>DISAM ▾</td> </tr> <tr> <td>New ITR for out area</td> <td>DISAM ▾</td> </tr> </table>	New ITR for in area	DISAM ▾	New ITR for out area	DISAM ▾
ITR for in area	DISAM								
ITR for out area	DISAM								
New ITR for in area	DISAM ▾								
New ITR for out area	DISAM ▾								

▶ Save

Figure 80 New ITR Designation screen

▶ To declare a new ITR designation:

- Filtering criteria: the purpose of the filtering criteria is to select the auction where ITR designation will be changed.
 - 1. Select Corridor, Horizon, Delivery date start, and Delivery date stop (Delivery date start and Delivery date must intersect with the target auction)
 - 2. Press the Refresh button.
 - 3. Select the auction from the Auction Identification drop down list.
- Default ITR parties: This is only an information and cannot be changed. It tells who the default ITR is.
- Current ITR parties for this designation: This shows the current ITR designation of the remain auction period. The ITR of the in area and out area can be changed here.

Once new ITR designation is done, press the Save button to submit the change.

4.11 PROGRAMMING AUTHORIZATION MANAGEMENT

LT and day-ahead Programming Authorizations are hourly data related to contracts associated to capacity rights. For a given trader, they correspond to the finalized capacity right portfolio for the target market day.

Programming Authorizations are dealing with a single given market day.

LT Programming Authorizations for a given market day are generated the day before the daily auction of that market day (in D-2, where D is the delivery day).

This gives time to execute the LT nomination process and let TSOs determine the ATC for the daily auctions.

Every day, one file per domain is sent to each ITR party collecting all long-term programming authorizations related to the given domain for which they will play their ITR role and nominate.

Every day, one file per domain is sent to each Capacity Trader party collecting all long-term programming authorizations related to this domain for which they will play their ITR role and nominate, and/or one file per domain containing the long-term programming authorizations related to this domain on the capacity right contracts they obtained as traders if they are not ITR.

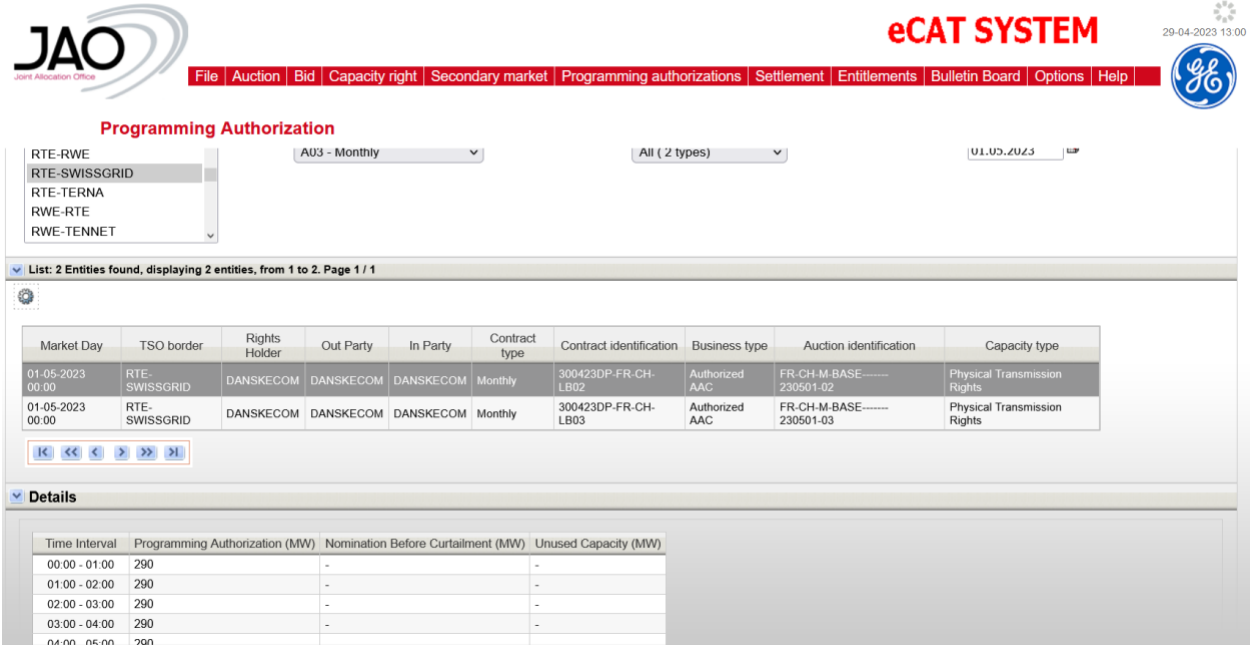
Every day, one file per domain is sent to each ITR party collecting all daily programming authorizations related to this domain for which they will play their ITR role and nominate

Every day, one file per domain is sent to each Capacity Trader party collecting all daily programming authorizations related to this domain for which they will play their ITR role and nominate, and/or one file per domain containing the daily programming authorizations related to this domain on the capacity right contracts they obtained as traders if they are not ITR.

Details of Programming Authorizations can be seen in the Programming Authorizations screen



Figure 81 Programming Authorizations menu



Market Day	TSO border	Rights Holder	Out Party	In Party	Contract type	Contract identification	Business type	Auction identification	Capacity type
01-05-2023 00:00	RTE-SWISSGRID	DANSKECOM	DANSKECOM	DANSKECOM	Monthly	300423DP-FR-CH-LB02	Authorized AAC	FR-CH-M-BASE----- 230501-02	Physical Transmission Rights
01-05-2023 00:00	RTE-SWISSGRID	DANSKECOM	DANSKECOM	DANSKECOM	Monthly	300423DP-FR-CH-LB03	Authorized AAC	FR-CH-M-BASE----- 230501-03	Physical Transmission Rights

Time Interval	Programming Authorization (MW)	Nomination Before Curtailment (MW)	Unused Capacity (MW)
00:00 - 01:00	290	-	-
01:00 - 02:00	290	-	-
02:00 - 03:00	290	-	-
03:00 - 04:00	290	-	-
04:00 - 05:00	290	-	-

Figure 82 Nominations and Programming Authorizations screen

The filtering criteria include the TSO oriented corridor name, the contract type (yearly, seasonal, monthly, periodic, intraday, daily...) and the market type.

The list of contracts determined by the filtering includes the major characteristics of the contracts on which programming authorizations have been determined: market day, TSO border, rights holder, Out party, In party, contract type, contract identification, auction identification, and Capacity type (PTR or FTR).

Select a contract among the list to get the details of the Programming Authorizations for the selected day on that contract.

4.12 Settlement

4.12.1 Display invoices screen

This screen is dedicated to the issued invoices for the parties.

Each party can see their own invoices issued for each month.

To access the screen the user must go to *Invoices* option under the Settlement menu.

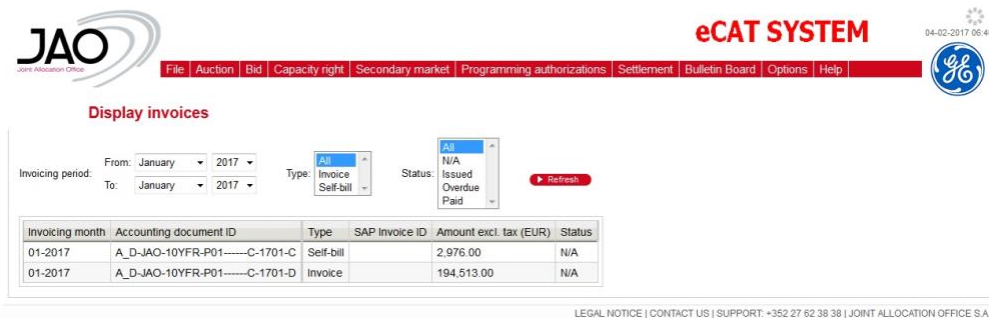
Welcome page
This is the Auction display application. Please use the main menu on the top of the page

Figure 83 Invoices option - Settlement

The screen is composed of two areas:

- Filter area
 - Invoicing period
 - Type
 - Status
- Invoice display area
 - Invoicing month
 - Accounting document ID
 - Type
 - SAP Invoice ID
 - Amount excl. tax (EUR)
 - Status

To display the wanted invoices, select the desired filters and click on the Refresh button.



Display invoices

Invoicing period: From: January 2017 To: January 2017 Type: Invoice Self-bill Status: All N/A Issued Overdue Paid Refresh

Invoicing month	Accounting document ID	Type	SAP Invoice ID	Amount excl. tax (EUR)	Status
01-2017	A_D-JAO-10YFR-P01-----C-1701-C	Self-bill		2.976.00	N/A
01-2017	A_D-JAO-10YFR-P01-----C-1701-D	Invoice		194.513.00	N/A

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Figure 84 Display invoices screen
4.12.2 Updating status of invoice

The invoices can have only one status at one time.

The available statuses are:

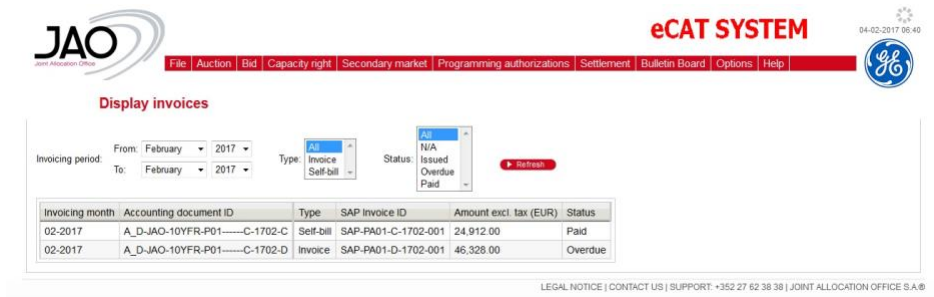
- N/A – When the invoice is generated
- Issued – 16th working day of the month (invoiced the M-1 period)
- Overdue
- Paid

To update the status of an invoice SAP files, must be submitted to the system.

The flow of invoice status is one of the following:

- N/A -> Issued -> Paid
- N/A -> Issued -> Overdue

An invoice can't go from the state N/A to Paid or Overdue directly, they first must go through the status Issued.



Display invoices

Invoicing period: From: February 2017 To: February 2017 Type: Invoice Self-bill Status: N/A Issued Overdue Paid Refresh

Invoicing month	Accounting document ID	Type	SAP Invoice ID	Amount excl. tax (EUR)	Status
02-2017	A_D-JAO-10YFR-P01-----C-1702-C	Self-bill	SAP-PA01-C-1702-001	24.912.00	Paid
02-2017	A_D-JAO-10YFR-P01-----C-1702-D	Invoice	SAP-PA01-D-1702-001	46.328.00	Overdue

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Figure 85 Paid/Overdue invoices

5. Online Help

All users of the web interface have access to the online Help.

By clicking the button *Help* in the main menu, a window will open the help documentation.



Figure 86 Help button for Participants

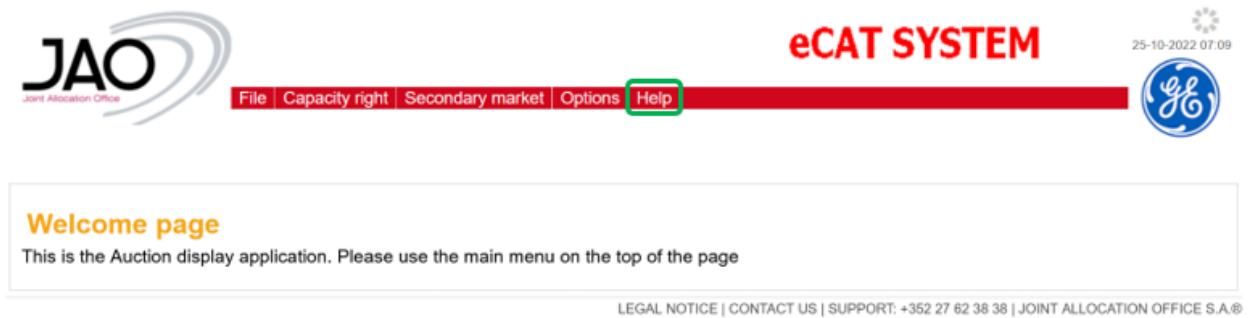


Figure 87 Help button for TSOs

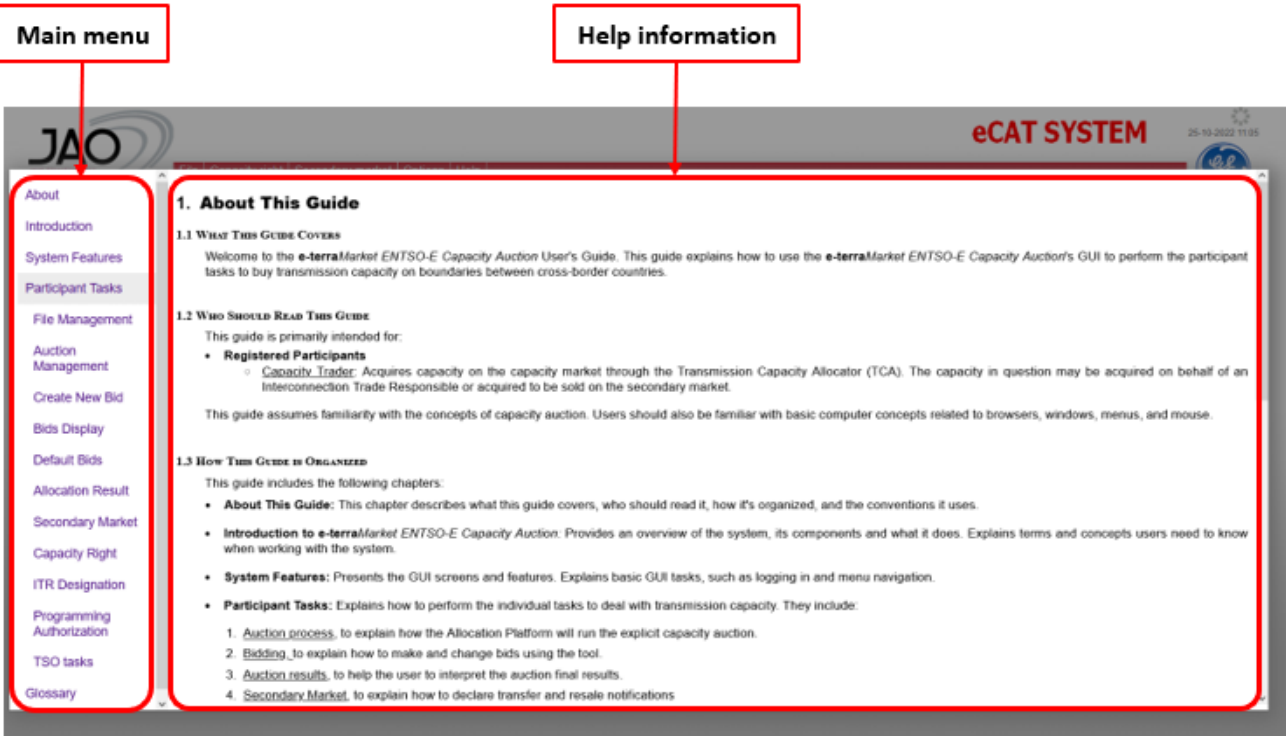


Figure 88 Help screen

To leave Help screen, click on the gray area around the Help screen.

Glossary

AAC: *Already Allocated Capacity* is the total amount of allocated transmission rights, whether they are capacity or exchange programs depending on the allocation method.

ATC: *Available Transmission Capacity* is the part of NTC that remains available, after each phase of the allocation procedure, for further commercial activity. ATC is given by the following equation: $ATC = NTC - AAC$.

Bid: A bid represents a request for a given capacity at a given price made by a Capacity Trader and corresponds to a single time series within a Bid document.

Capacity trader: A capacity trader is a party that acquires capacity on the capacity market through the Transmission Capacity allocator. The capacity in question may be acquired on behalf of an Interconnection Trade Responsible or acquired to be sold on the secondary market.

Interconnection Trade Responsible: Is a Balance Responsible Party or depends on one. He is recognized by the Nomination Validator for the nomination of already allocated capacity.

Market balance area: Refer to ENTSO-E Role Model definition

Nomination Validator: They depend on one or more System Operators and have the responsibility of ensuring that all capacity nominated is within the authorized limits and confirming all valid nominations to all involved parties. They inform the Interconnection Trade Responsible of the maximum nominated capacity allowed. Depending upon market rules for a given interconnection the corresponding System operators may appoint one Nomination Validator

NTC (*Net Transfer Capacity*) is defined as $NTC = TTC - TRM$ and corresponds to the maximum exchange between two areas compatible with security standards applicable in both areas and considering the technical uncertainties on future network conditions.

Offered Capacity (OC): is a part of or equivalent to the ATC that will be offered by the Transmission Capacity Allocator to the market. Depending on Market Rules, the calculation of the Offered Capacity may include the consideration of firm exchange programs in one direction, to increase the Offered Capacity in the other direction. This is generally known as Netting aimed at maximizing Offered Capacity

Participant: See *capacity trader*

Party: See *capacity trader, System Operator, Transmission Capacity Allocator*.

Rule based allocations: These cover the allocation of capacity based on a given algorithm such as first come, first serve or proportional to request. This is a

particularity for the allocation of intraday capacity when local market rules do not require an auction allocation.

System Operator: Refer to ENTSO-E Role model definition

Transmission Capacity Allocator (TCA): Manages, on behalf of the System Operators, the allocation of available transmission capacity for an Allocated capacity area. He offers the available transmission capacity to the market allocates the available transmission capacity to individual Capacity Traders and calculates the billing amount of already allocated capacities to the Capacity Traders.

TTC: *Total Transfer Capacity* **TTC** is the maximum exchange program between two areas compatible with operational security standards applicable at each system if future network conditions, generation and load patterns were perfectly known in advance