
The OPCOM DAM Trading System

The User's Guide for the Day-Ahead Market Participant

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Revision 5

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HISTORY OF REVISIONS

Revision	Date	Comments
1	November 5, 2014	The completion of the User's Guide for the Day-Ahead Market Participant, version appropriate for testing session with Day-Ahead Market Participants.
2	December 15, 2015	The completion with update interfaces of the Day-Ahead Market trading system (final version of the production version).
3	February 1, 2021	Update on switching to 15 minutes granularity physical notification.
4	June 17, 2021	Update on the extension of coupled operation within the single coupling market, SDAC (Single Day-Ahead Coupling).
5	06.09.2021	Update concerning internet browsers

TABLE OF CONTENTS

1. GENERAL ISSUES	4
1.1. PURPOSE.....	4
1.2. PARTICIPANT LOGIN.....	5
1.3. APPLICATION MENU	7
2. PARTICIPANT MENU	9
2.1. BLOCK OFFERS DEFINITION	9
2.2. BUY OFFERS	13
2.3. SELL OFFERS	22
3. MARKET OPERATOR MENU	22
3.2. COLLATERAL GUARANTEE.....	24
3.3. VOLUME LIMITS	25
3.4. VIEW MAX / MIN PRICES	26
3.5. CURENCY RATE.....	26
4. TSO MENU	26
5. SYSTEM MENU - SYSTEM FUNCTIONALITIES	27
5.1 GATES	27
5.2 AUDIT TRAIL	30
5.3 TECHNICAL LOG	31
5.4 SYSTEM PARAMETERS	32
6. FILE MENU	32
6.1. UPLOAD	32
6.2 DOWNLOAD.....	33
7. PREFERENCES	35
8. TIME CHANGE	35
8.1. SUMMERTIME / WINTERTIME.....	36
8.2. DAY OF TRANSITION FROM WINTERTIME TO SUMMERTIME	36
8.3. DAY OF TRANSITION FROM SUMMERTIME TO WINTERTIME	36
9. XML FILE FORMAT	37
9.1. GENERAL RULES	37
9.2. OFFER FILE	38
9.3. EXAMPLE OF ELECTRICITY OFFER AS XML FILE.....	43
9.4. EXAMPLE OF THE NOTIFICATION OF THE PARTICIPANT FILE / PHYSICAL NOTIFICATION OF A BRP FILE	45

1. GENERAL ISSUES

DISCLAIMER: This Guide represents a guideline for market participants in order to use the DAM trading system. Although all the measures to ensure the correctness of the information were taken when preparing this Guide, OPCOM does not assume any liability for errors or omissions, or for the damages resulted from the use of the information contained in this document. The author shall not be liable for any commercial damage caused or allegedly caused, directly or indirectly, through the use of the information contained in this document.

The information from the Guide does not represent recommendations to bid or to conclude trades, instead it represents values given with the purpose of exemplifying the facilities of the trading system only.

According to the in-force regulations, offering, trading, notification as well as financial settlement are performed in CET time.

ATTENTION: Before participating to the commercially implemented Day-Ahead Market, we recommend participants to thoroughly read and assuming the rules and information about trading mechanisms on the DAM provided by the regulations in force, as well as to understand the facilities of the trading system. The assimilation of complete information regarding the DAM trading system functionalities will facilitate the progressive use of all its facilities by the participants.

REMARK: The screenshots are taken from the test sessions and include the correct representation of the gates, stages and processes in the relevant contexts, but may not reflect the correct times according to production session. The times related to the gates and processes in the production session are presented in the *Operational Procedure on the operation of the Next Day Electricity Market*.

1.1. PURPOSE

The purpose of this guide is to offer to the registered **Day-Ahead Market (DAM)** participants the basic information regarding the use of the DAM trading system, applicable to the functioning in market coupling framework or in case the market coupling becomes impossible when the full decoupling PXs procedure applies, also known as the last resort procedure.

NOTE: The guide contains the basic information regarding offer submission, the visualization of the market status and trades confirmations, downloading the trades notifications and the physical notifications and it is addressed to the DAM Participant for the use of the DAM trading system.

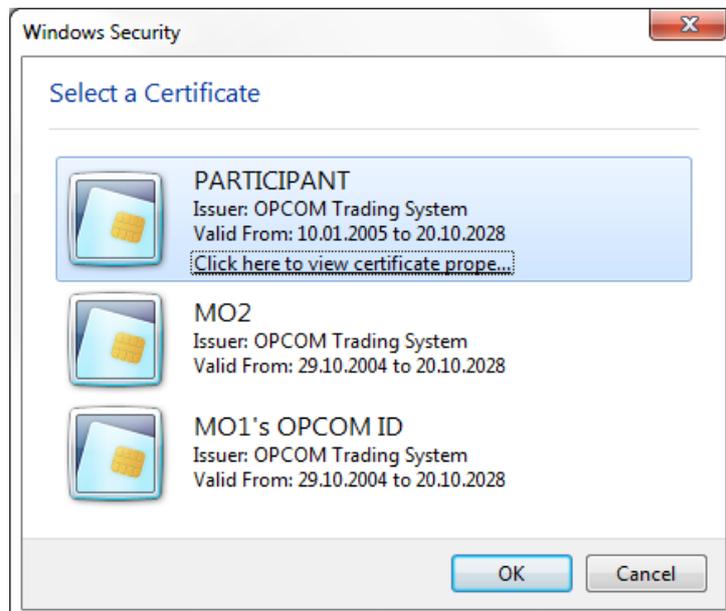
The user's guide assumes that the users of the system are familiarized with the provisions of the regulations in force regarding the functioning of the DAM in a market coupling mode, and therefore, this documentation covers only the functionalities of the DAM trading system presentation.

The Trading System is a web-based application. For this, one of the browsers Microsoft Edge or Google Chrome are necessary. The informatics system for DAM is not compatible with other browsers as Opera, Mozilla or Netscape.

1.2. PARTICIPANT LOGIN

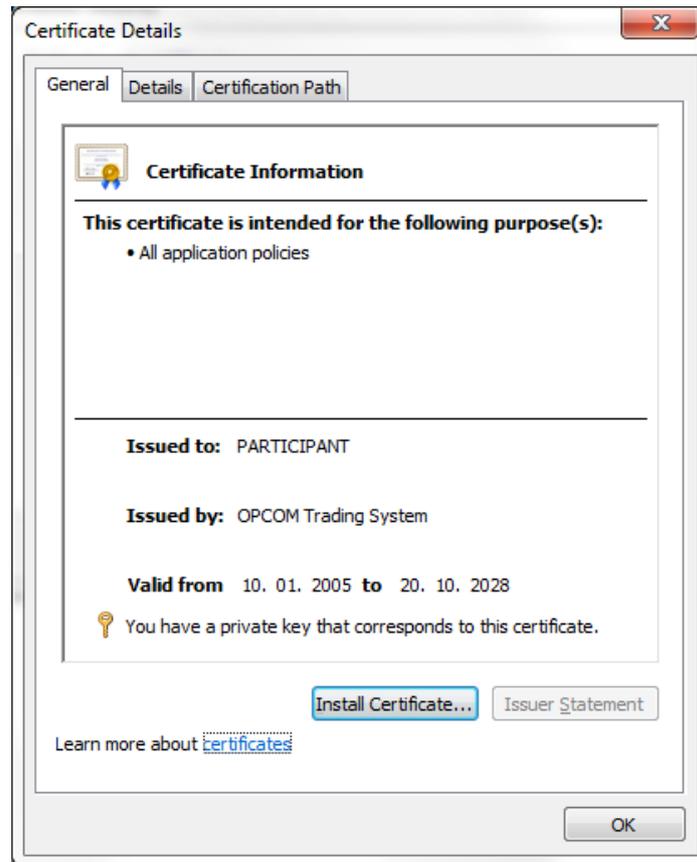
The participant must insert the USB ActivCard Key obtained from the **Electricity Market Operator (EMO)**, launch one of the browsers Microsoft Edge or Google Chrome, and write the URL address of the DAM Trading System: <http://www.oper.ro/dam/dam-participant>¹.

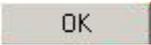
The browser will request the user to select a certificate in order to be logged in.



It is possible that there is more than one installed certificate on the USB key. The user can check if a certificate is issued by OPCOM's Certification Authority by selecting the button . General information about the certificate is shown, in order for the participant to be able to validate the issuer of the certificate.

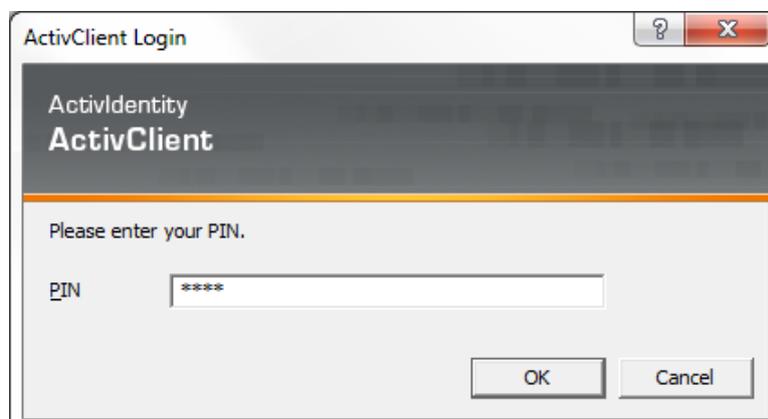
¹ To access the settlement application, the URL is: <http://www.oper.ro/settparticipant>

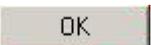


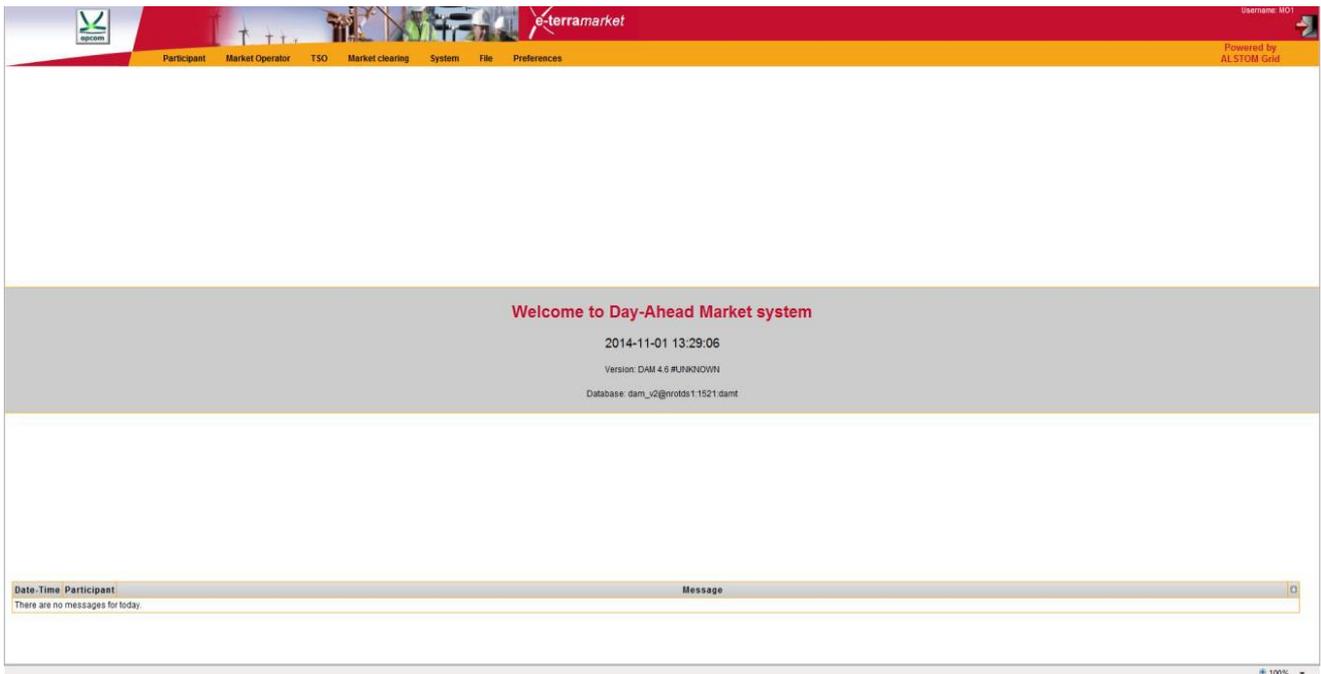
As it is illustrated in the above window, the certificate was issued by OPCOM's Trading System, therefore it is the correct login certificate. The user must press the button  in order to return to the window for selecting the certificate.

Once the certificate is selected, the user must press the  button for confirmation.

The system will request the user to insert the personal PIN code in order to unlock the key:



After entering the PIN Code by using the  button, the participant has to select the certificate again, whereupon it will connect to the application:

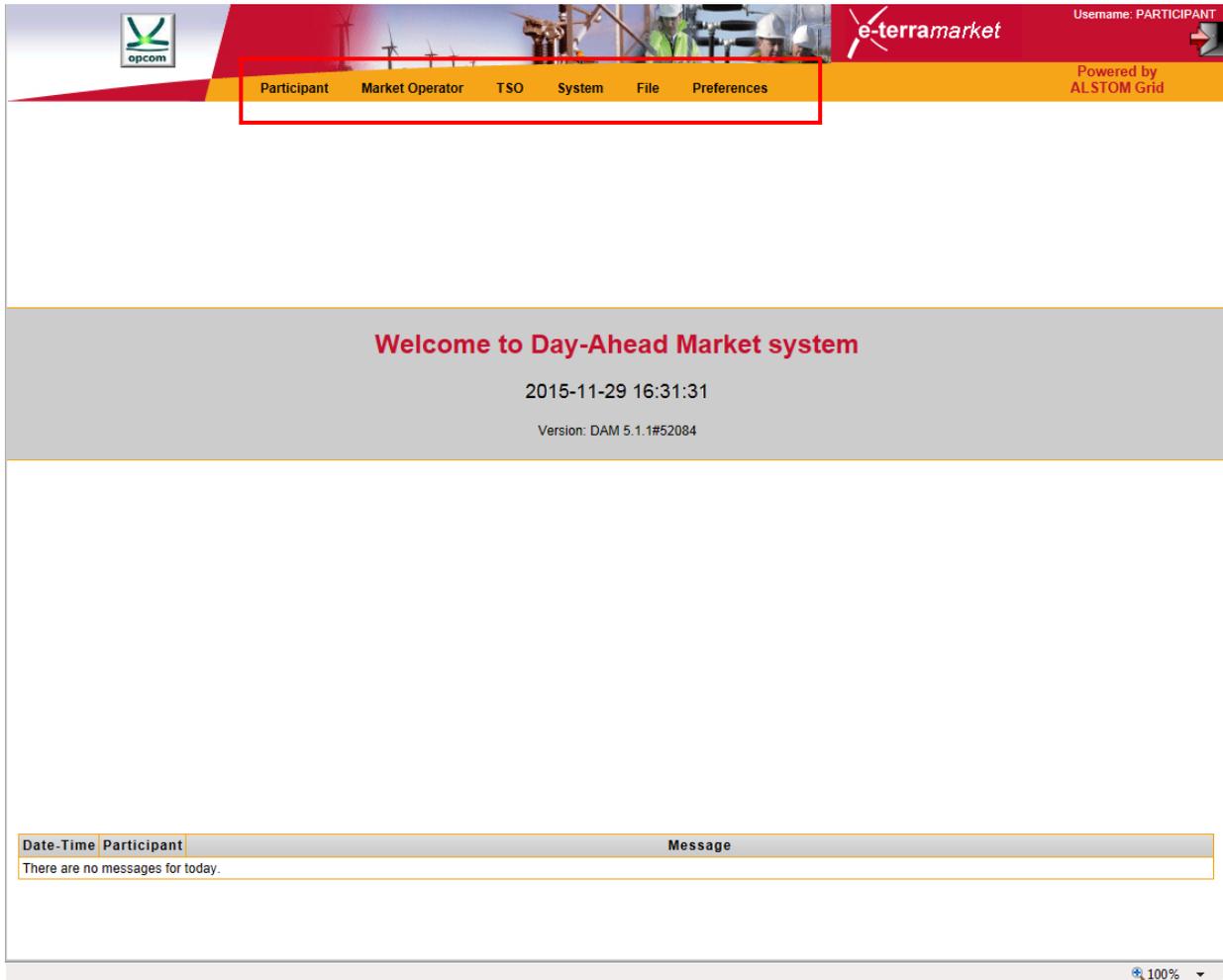


The user's interface is divided in two sections:

- The upper section which contains the menu and grants access to the main functionalities of the application;
- The center section which is the main workspace of the application.

1.3. APPLICATION MENU

The main menu of the application is horizontally disposed and is composed by submenus, each representing a functionality domain. In order to access the articles from the menu, the user has to select the relevant menu.



Participant Market Operator TSO System File Preferences

Username: PARTICIPANT

Powered by ALSTOM Grid

Welcome to Day-Ahead Market system

2015-11-29 16:31:31

Version: DAM 5.1.1#52084

Date-Time	Participant	Message
There are no messages for today.		

100%

The functionalities of the trading system are organized based on responsibility fields, as follows:

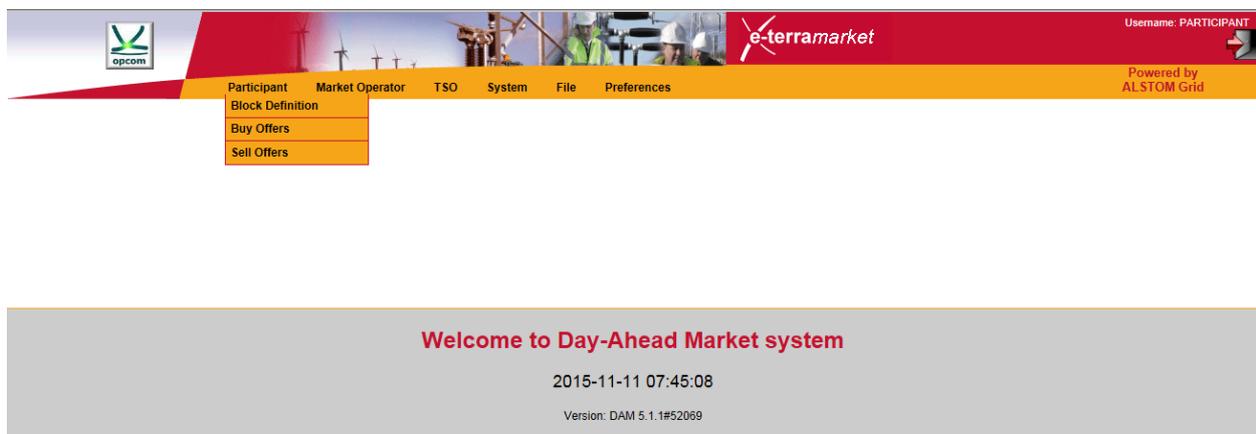
1. **Participant:** the trading system grants access to the participant's offers in order to define block offers or to view the block offers defined by the operator, to submit new offers, to modify or cancel offers.
2. **Market Operator:** the trading system grants access to the information whose publication in the trading system is in the DAM operator's (**DAMO**) responsibility, such as the confirmation of trades, collateral guaranties and so on.
3. **TSO (Transmission system operator):** the trading system offers a dedicated screen which shows the available transmission capacity on interconnections.
4. **System:** the trading system grants access to the information controlled by the trading system, such as gate mechanism, technical log, and audit trail.
5. **File:** the trading system offers interfaces for the uploading and downloading of XML files.
6. **Preferences:** it allows the configuration of the user's preferences with regard to the display language.

Some of the pages which contain a large quantity of data, such as the list of the electricity offers, the technical journal and the audit trail are divided and paginated. In this case the application will show a limited number of lines per page (10, implicitly) instead of showing a long list. In the cases where the information mentioned in the active menu cannot be contained in a single page displayed, the user has control over the pagination.

2. PARTICIPANT MENU

The **PARTICIPANT** menu allows submitting/amending/cancelling of offers by the participant. From this menu, one of the following options is selected:

- **Block definition** – It shows the block offers defined by the DAM operator and the participant's own defined block offers and allows the Participant to define new block offers;
- **Buy Offers** – it allows submitting/amending/cancelling of buy offers;
- **Sell Offers** – it allows submitting/amending/cancelling of sell offers.



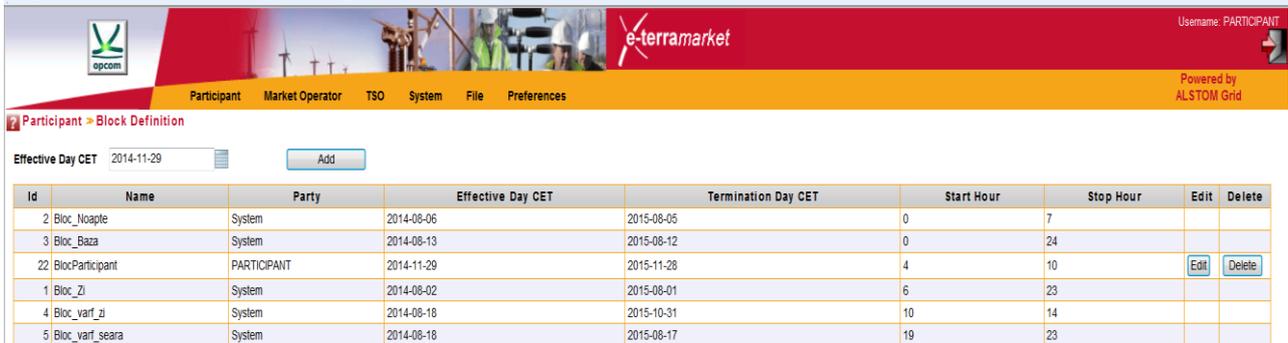
NOTE: The participant can submit offers only for those days in which the exchange rate is available. For the days in which the exchange rate is available the limits of the price scale are defined and are shown in interface offer form.

2.1. BLOCK OFFERS DEFINITION

In the screen for the defined block offers there are displayed:

- Block offers defined by the DAM operator (these have the mention **System** in the **Party** field)

- Block offers defined by the participant (these contain the mention **[Name of the Participant]** in the **Party** field)



Participant > Block Definition

Effective Day CET: 2014-11-29

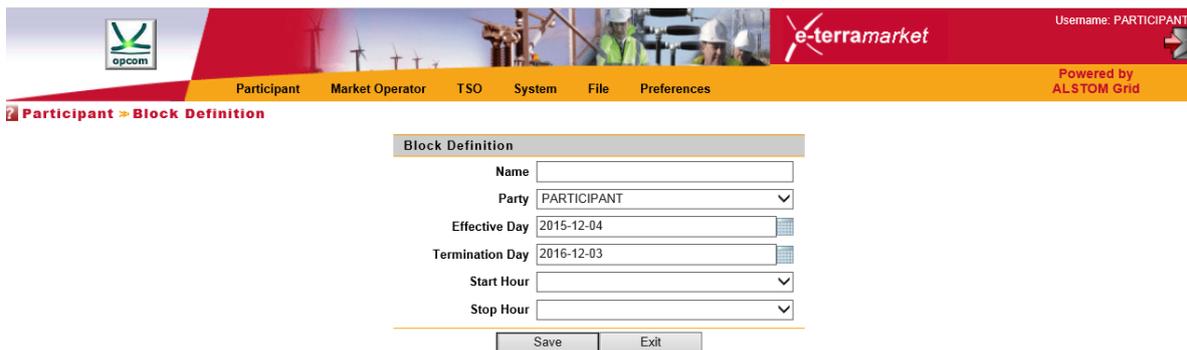
Id	Name	Party	Effective Day CET	Termination Day CET	Start Hour	Stop Hour	Edit	Delete
2	Bloc_Noapte	System	2014-08-06	2015-08-05	0	7		
3	Bloc_Baza	System	2014-08-13	2015-08-12	0	24		
22	BlocParticipant	PARTICIPANT	2014-11-29	2015-11-28	4	10	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
1	Bloc_Zi	System	2014-08-02	2015-08-01	6	23		
4	Bloc_varf_zi	System	2014-08-18	2015-10-31	10	14		
5	Bloc_varf_seara	System	2014-08-18	2015-08-17	19	23		

NOTE: For the new defined block offers, the participant shall choose names which are different from the name of the block offers predefined by DAMO. If the participant defines a block offer with the same name as one of a predefined block offer, when the offer is saved the block offer predefined by DAMO will automatically be taken into consideration.

In order to avoid these situations, we recommend you not to define block offers with the same name of a block predefined by DAMO. Furthermore, we recommend you not to define blocks whose period overlaps with another period of a block predefined by DAMO.

In order to define a block offer the participant will follow the next steps:

- The **Add** button is selected and the form regarding the definition of a new block offer will be opened:



Participant > Block Definition

Block Definition

Name:

Party:

Effective Day:

Termination Day:

Start Hour:

Stop Hour:

- The data is filled in (by typing or by selecting the available options) for the definition of the block offer, i.e.:
 - o The name of the block offer **[Name]**
 - o Name of the participant **[Participant]**
 - o The starting date of the validity period of the block being defined **[Effective day]**

- The termination date of the validity period of the block being defined **[Termination Day]**
- The starting hour of the block definition period **[Start Hour]**
- The stop hour of the block definition period **[Stop Hour]**
- The settings are saved by selecting the **Save** Button.

ATTENTION: A clear distinction must be made between the starting hour of the block validity which is being defined and the first hourly trading interval of the block. A block offer defined between the hours 10:00 – 22:00 is a block offer defined for the intervals 11-22 as in the picture:

According to the in-force regulations, the participant can send:

- A daily buy offer (exclusively containing hourly offers)
- A daily sell offer (exclusively containing hourly offers)
- More block offers

In order to send offers of a certain direction (sell or buy, respectively) the participant will select the respective intended option/type.

Id	Name	Party	Effective Day CET	Termination Day CET	Start Hour	Stop Hour	Edit	Delete
168	Bloc_Gol_1	System	2015-11-24	2016-11-20	0	6		
163	Bloc_Noapte	System	2015-11-24	2016-11-20	0	7		
162	Bloc_Baza	System	2015-11-24	2016-11-20	0	24		
167	Bloc_Varf	System	2015-11-24	2016-11-20	6	22		
166	Bloc_Zi	System	2015-11-24	2016-11-20	6	23		
172	Bloc_11_22	PARTICIPANT	2015-12-04	2016-12-03	10	22	Edit	Delete
169	Bloc_Gol_2	System	2015-11-24	2016-11-20	22	24		

The format of the data display

ATTENTION: In the following clarification text, the expression “the display of data” shall not be interpreted as the insertion of data.

The values of the offers are displayed in the **Buy Offers, Sell Offers** windows, with the maximum decimal numbers allowed according to the regulations, i.e., the quantities with 1 decimal after the decimal separator and the prices with 2 decimals after the decimal separator.

NOTE: The data is displayed in English format regardless of the configuration of the computing station, i.e., **the decimal separator is represented by a dot** (for instance 1421.4 meaning a thousand four hundred and twenty-one and four tenth), the displayed value of the offer being 1421.4. More examples are mentioned in the following table:

Price [lei/MWh]		Quantity [MWh]	
Price inserted*	Displayed price	Quantity inserted*	Displayed quantity
142	142.00	8	8.0
113.6	113.60	13.4	13.4
1012.23	1012.23	1003.5	1003.5

* The prices/quantities mentioned in the table (according to the operator’s intention to insert) were displayed in English format, i.e., by using the **dot as the decimal separator**.

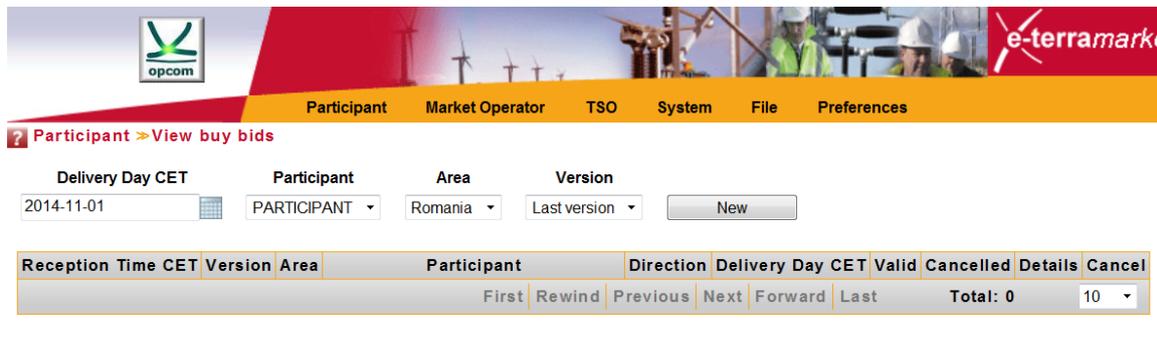
In case that it uses the wrong decimal separator, it will display an error message and the wrong decimal number will be colored in red:

The screenshot shows the 'View sell bids' window. At the top, there are navigation tabs: Participant, Market Operator, TSO, System, File, Preferences. Below that, there are filters for Delivery Day CET (2015-11-30), Participant (PARTICIPANT), Area (Romania), Version (0), and Currency (RON). There are buttons for Save, Save&Exit, and Download. The main area is divided into 'Single Hour Bids' and 'Block Hour Bids'. A table shows bids for various hours. The first row is expanded, showing a price of -2210.10, a quantity of 2, and a price of 13260.60. The quantity '2' is highlighted in red, and an error message is displayed over it. The error message reads: 'Offer submission failed : Offer has some incorrect price or quantity. Quantity should be a positive integer number. Price should be a decimal number.'

The screenshot shows a dialog box titled 'Bid cancel action'. It contains the text 'Are you sure you want to cancel bid message?' and two buttons: 'Cancel' and 'Continue'.

2.2. BUY OFFERS

In order to insert buy offers (hourly offers or block offers) the option **Buy Offers** is selected from the **Participant** menu and the **New** button is pressed.



For the purpose of identifying an offer more easily, this page offers user the possibility to filter the data, by using the following criteria:

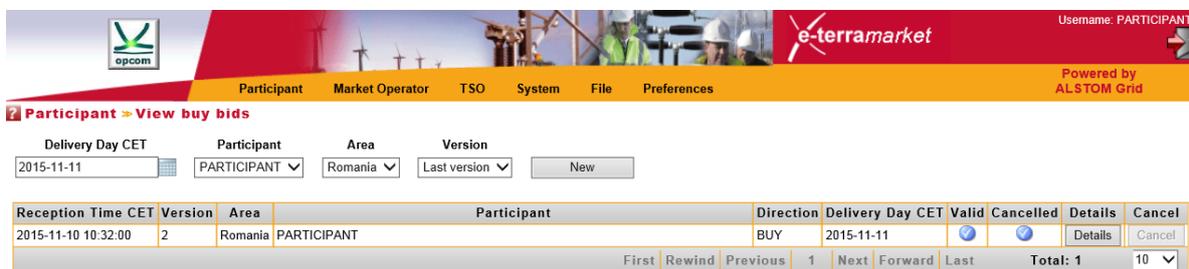
Delivery Day CET Filters the electricity offers based on the delivery date for which the offer is submitted/amended/cancelled;

Participant The name of the participant which will be displayed in the trading system;

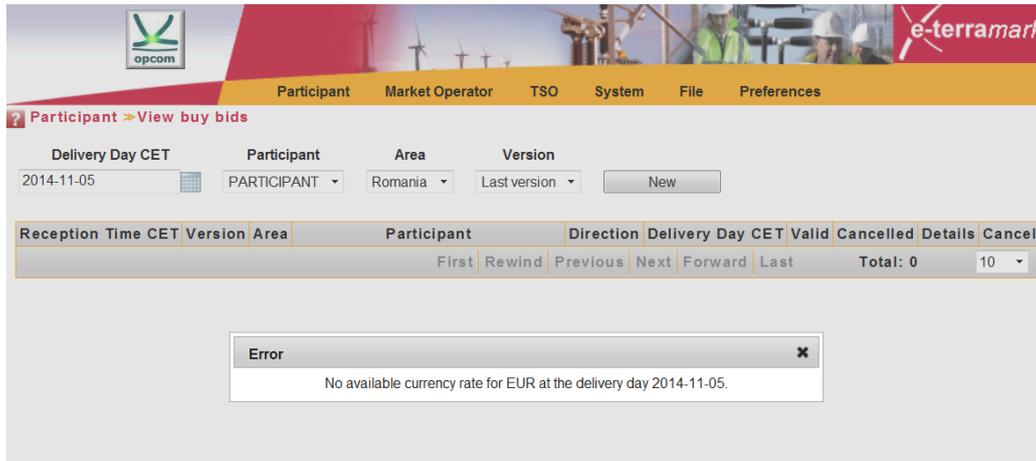
Area Filters the electricity offers based on the trading zone which is referred to in the offer. This facility of the system has a general nature. The participants will exclusively select the Romanian Area for submitting the offer.

Version Filters all the electricity offers based on the version. Implicitly, only the last version is displayed.

It is possible to select more searching criteria at the same time. In this case the logical operator **AND** is applied to the selected criteria. For example, the below mentioned filter will display all the electricity sell offers for the delivery day *November 11st, 2015* **AND** the *Romania trading area* **AND** *the last version* registered in the trading system:



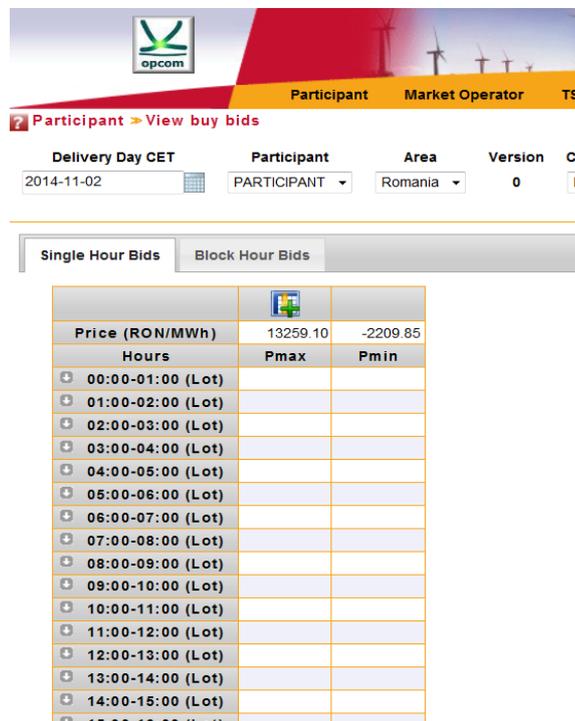
If the exchange rate is not available, the limits of the price scale cannot be calculated in Lei and the participant cannot submit offers. When selecting the **New** option, the error message **No available currency rate for EUR at the delivery day 2014-11-05** will be displayed.



a) CREATING AN ELECTRICITY OFFER

A new electricity offer (hourly or block) can be created by pressing the **New** button. The application opens a screen displaying two available forms:

- **Single Hour Bids** – for creating hourly offers.
- **Block Hour Bids** – for creating block offers.



b) SINGLE HOUR BIDS

In order to submit hourly offers, the template (sheet) **Single Hour Bids** regarding submitting hourly offers is selected.

ATTENTION: The offers are treated separately based on their nature, i.e., sell or buy. Submitting an offer of a certain type (sell or buy) will not replace an offer of the other type (buy or sell respectively).

How the offer should be filled in:

1. The first and the last column will always contain the limits of the price scale (minimum and maximum). In case there is no exchange rate available for the selected delivery day, the offer form will not be displayed. The participant will insert quantities for the intended offer prices.
2. The Price is inserted in the first line of the offer form, in lei with two (2) decimals.
3. The Quantity is inserted in MWh with one (1) decimal at the intersection between the row related to the trading interval and the column related to the price.
4. The participant can add/delete a price level by pressing the **Add**  / **Delete** .
5. Inserting of quantities for the first and last columns (price limits) is not mandatory. Inserting quantities in the columns related to the price limits of the price scale, represents the availability of the participant to sell/buy at these price limits.
6. For each hourly interval, a maximum of 32 price-quantity pairs can be inserted.

 **Participant** > **View buy bids**

Delivery Day CET Participant Area Version Currency
 2014-11-02 PARTICIPANT Romania 2 RON ▾

Save Save&Exit Download Exit

Single Hour Bids		Block Hour Bids	
Price (RON/MWh)			
Hours	Pmax	2	Pmin
00:00-01:00 (Lot)		1.5	
01:00-02:00 (Lot)		1.0	
02:00-03:00 (Lot)		1.0	
03:00-04:00 (Lot)		1.0	
04:00-05:00 (Lot)		1.0	
05:00-06:00 (Lot)			
06:00-07:00 (Lot)			
07:00-08:00 (Lot)			
08:00-09:00 (Lot)			
09:00-10:00 (Lot)			
10:00-11:00 (Lot)			
11:00-12:00 (Lot)			
12:00-13:00 (Lot)			
13:00-14:00 (Lot)			
14:00-15:00 (Lot)			
15:00-16:00 (Lot)			

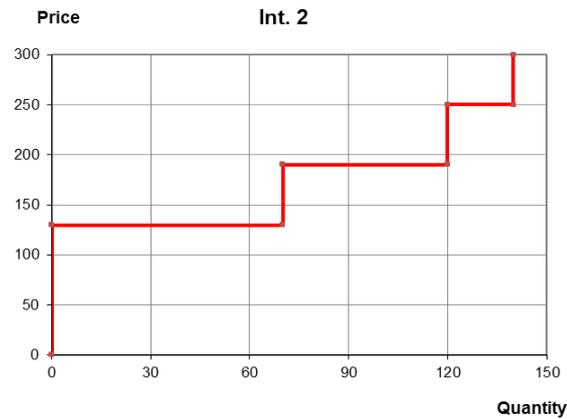
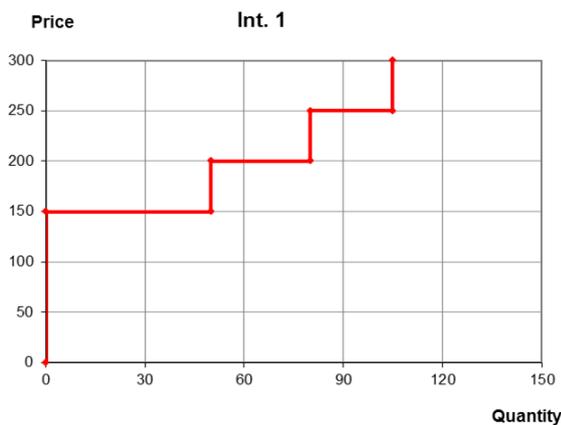
The offer will be saved in the DAM trading System after pressing the **Save** or **Save/Exit** buttons.

ATTENTION: The quantities from the offer's quantity-price pairs are cumulated. For an offer price, the quantity which can be traded is the cumulated with quantity offered on the same

trading interval at all prices lower than quantity-price pair's price for the sell offers, respectively, at all prices bigger than quantity-price pair's price for the buy offers.

Sell Offer Int. 1		
#	Quantity [MWh/h]	Price [RON/MWh]
1	50	150
2	30	200
3	25	250

Sell Offer Int. 2		
#	Quantity [MWh/h]	Price [RON/MWh]
1	70	130
2	50	190
3	20	250



Prices [RON/MWh]	-2250	130	150	190	200	250	13500	Quantities [MWh/h]
Int. 1			50		30	25		
Int. 2		70		50		20		
Int. 3								
Int. 4								
Int. 5								
Int. 6								

After pressing the **Save** button and in case the offer is valid, the below table is displayed:

Participant >> View buy bids

Delivery Day CET: 2014-11-02
 Participant: PARTICIPANT
 Area: Romania
 Version: Last version
 [New]

Reception Time CET	Version	Area	Participant	Direction	Delivery Day CET	Valid	Cancelled	Details	Cancel
2014-10-31 10:08:50	1	Romania	PARTICIPANT	BUY	2014-11-02	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Details	Cancel

[First] [Rewind] [Previous] | 1 | [Next] [Forward] [Last]
 Total: 1
 [10]

The list of electricity offers will display the following information:

Reception Time CET The date and the hour when the offers were received in CET hours;

Version	Filters the offers based on the version. Implicitly, only the last version of the electricity offers is displayed;
Area	Filters the electricity offers based on the trading area which is mentioned in the offer. This facility is general for the trading system. The participants will exclusively select the Romania area in order to send offers;
Participant	The name of the participant designed to be displayed in the trading system;
Direction	The type of the offer, sell or buy;
Delivery day CET	Filters the electricity offers based on the delivery day for which the offer is submitted/amended/cancelled;
Valid	The offers which were validated have the checkbox <input checked="" type="checkbox"/> ;
Cancelled	Valid offers have the checkbox <input checked="" type="checkbox"/> . Cancelled offers are marked with  ;
Details	It allows the visualization of the offer;
Cancel	The Cancel button allows the cancelling of the offer.

In order to modify the offer, the offer is accessed by selecting the **Details** button.

 Participant > View buy bids

Delivery Day CET: 2014-11-02 Participant: PARTICIPANT Area: Romania Version: Last version

Reception Time CET	Version	Area	Participant	Direction	Delivery Day CET	Valid	Cancelled	Details	Cancel
2014-10-31 10:08:50	1	Romania	PARTICIPANT	BUY	2014-11-02	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="Details"/>	<input type="button" value="Cancel"/>

First Rewind Previous 1 Next Forward Last Total: 1 10

The validation of the offer given the available guarantees: An offer with insufficient **collateral guarantees** will be rejected and display the following message:

Error ✕

Message with identification 10YRO-TEL-----P_2014-11-02_BUY_1 and version 1 for delivery day 2014-11-02 00:00:00: collateral guarantees insufficient error.

Message PARTICIPANT12_2014-11-02_1_.xml was not saved in the trading system.

During importing file PARTICIPANT12_2014-11-02_1_.xml an exception occurred An exception occurs when the system try to import the message. Consistent: false, persistable: false

The file PARTICIPANT12_2014-11-02_1_.xml was not imported in the system

An offer with a missing price level and with a non-null quantity will be rejected by the system displaying an error message:

Delivery Day CET: 2014-10-10 | Participant: PARTICIPANT | Area: Romania | Version: 0 | Currency: RON

Single Hour Bids | Block Hour Bids

Price (RON/MWh)	Pmin	2	Pmax
-2,205.70			13,234.20
Hours	Pmin	2	Pmax
00:00-01:00 (Lot)			
01:00-02:00 (Lot)		100.0	
02:00-03:00 (Lot)			
03:00-04:00 (Lot)			
04:00-05:00 (Lot)			
05:00-06:00 (Lot)			
06:00-07:00 (Lot)			
07:00-08:00 (Lot)			
08:00-09:00 (Lot)			
09:00-10:00 (Lot)			
10:00-11:00 (Lot)			

Error

Offer submission failed : Offer has some incorrect price or quantity. Quantity should be a positive integer number. Price should be a decimal number.

An offer with a non-null price level, but with a missing quantity in all hourly intervals will be rejected by the system along with an error message:

Delivery Day CET: 2014-10-10 | Participant: PARTICIPANT | Area: Romania | Version: 0 | Currency: RON | Save

Single Hour Bids | Block Hour Bids

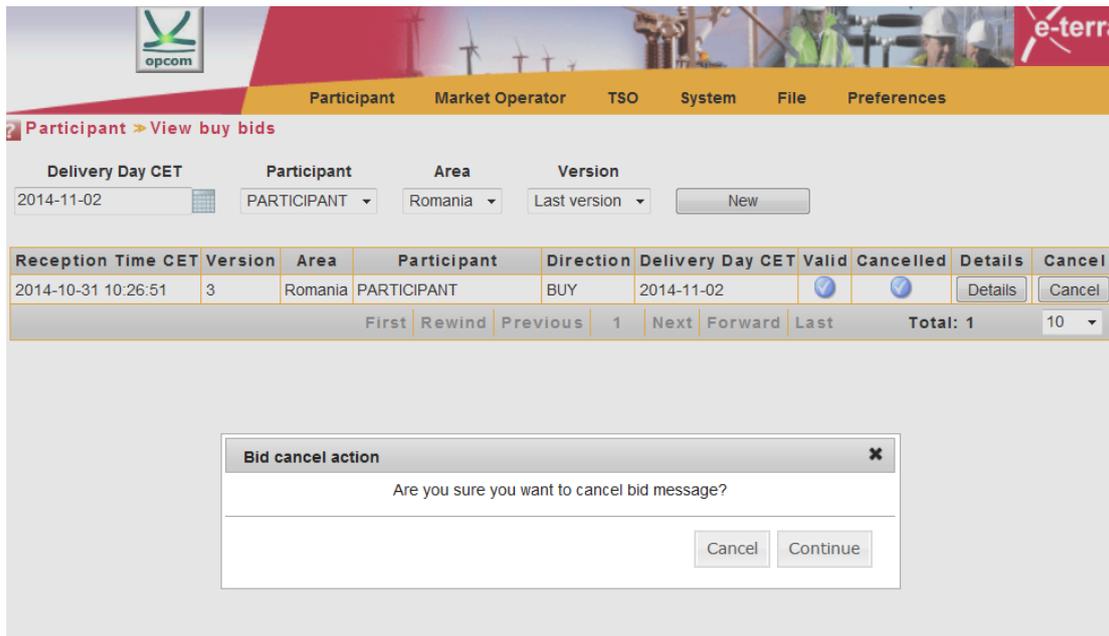
Price (RON/MWh)	Pmin	100.00	Pmax
-2,205.70			13,234.20
Hours	Pmin	2	Pmax
00:00-01:00 (Lot)			
01:00-02:00 (Lot)			
02:00-03:00 (Lot)			
03:00-04:00 (Lot)			
04:00-05:00 (Lot)			
05:00-06:00 (Lot)			
06:00-07:00 (Lot)			
07:00-08:00 (Lot)			
08:00-09:00 (Lot)			
09:00-10:00 (Lot)			
10:00-11:00 (Lot)			

Error

During importing file PARTICIPANT12_2014-10-10_1_.xml a SAXException has occurred at (line 10, column 22): cvc-complex-type.2.4.b: The content of element 'EnergyOfferMessage' is not complete. One of '{http://eterra/dayahead/offer':EnergyOffer}' is expected.

The file PARTICIPANT12_2014-10-10_1_.xml was not imported in the system

The cancellation of a valid offer will be made by pressing the **Cancel** button:



Participant > View buy bids

Delivery Day CET: 2014-11-02 | Participant: PARTICIPANT | Area: Romania | Version: Last version

Reception Time CET	Version	Area	Participant	Direction	Delivery Day CET	Valid	Cancelled	Details	Cancel
2014-10-31 10:26:51	3	Romania	PARTICIPANT	BUY	2014-11-02	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Details	Cancel

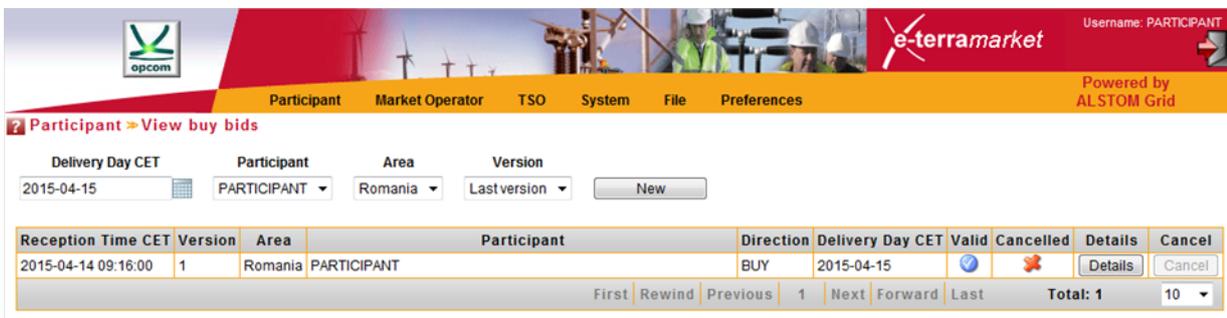
First | Rewind | Previous | 1 | Next | Forward | Last | Total: 1 | 10

Bid cancel action

Are you sure you want to cancel bid message?

Cancel | Continue

Option **Continue** will be selected and afterwards the offer is displayed in the buy offers page as cancelled by displaying the symbol  on **Cancelled** column. By selecting the **Cancel** option, the participant will renounce to the previous status/version.



Participant > View buy bids

Delivery Day CET: 2015-04-15 | Participant: PARTICIPANT | Area: Romania | Version: Last version

Reception Time CET	Version	Area	Participant	Direction	Delivery Day CET	Valid	Cancelled	Details	Cancel
2015-04-14 09:16:00	1	Romania	PARTICIPANT	BUY	2015-04-15	<input checked="" type="checkbox"/>		Details	Cancel

First | Rewind | Previous | 1 | Next | Forward | Last | Total: 1 | 10

Cancelled offers can be reactivated after pressing the **Details** button and then pressing the **Save** or **Save/Exit** buttons. The reactivated offer version will be the last valid version of the same type of the participant increased with one unit.

c) BLOCK HOUR BIDS

In order to insert the block offers, the interface template (tab) regarding the submission of block offers, **Block Hour Bids**, is selected.



Participant > View buy bids

Delivery Day CET: 2014-10-10 | Participant: PARTICIPANT | Area: Romania | Version: 0 | Currency: RON

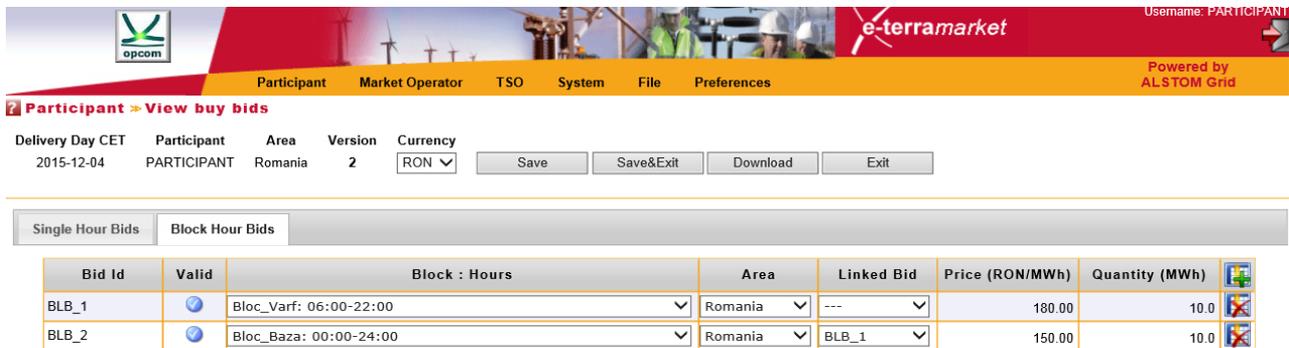
Save | Save&Exit | Download | Exit

Single Hour Bids | **Block Hour Bids**

Bid Id	Valid	Block : Hours	Area	Linked Bid	Price (RON/MWh)	Quantity (Lot)
--------	-------	---------------	------	------------	-----------------	----------------

For a delivery day, a participant can submit more block offers, each offer containing one price-quantity pair of sell/buy.

How you should fill in the block offer:



Participant Market Operator TSO System File Preferences

Participant » View buy bids

Delivery Day CET Participant Area Version Currency

2015-12-04 PARTICIPANT Romania 2 RON Save Save&Exit Download Exit

Single Hour Bids Block Hour Bids

Bid Id	Valid	Block : Hours	Area	Linked Bid	Price (RON/MWh)	Quantity (MWh)
BLB_1		Bloc_Varf: 06:00-22:00	Romania	---	180.00	10.0
BLB_2		Bloc_Baza: 00:00-24:00	Romania	BLB_1	150.00	10.0

The block offer type is selected from the menu of the defined block offers which opens by selecting the arrow of the **Block : Hours** field. Next to the name of the defined block offer selected, the block definition period **defined by the start hour and the end hour is displayed**.

If the participant wishes to submit linked block offers, he starts with submission the "parent" block offer. In order to submit a "child" block offer, the DAM participant select the "parent" block offer in the menu which opens by selecting the arrow from the **Linked Bid** field.

NOTE: The linked block offers cannot be defined starting with the "child" block offer.

The participant can add/delete a block offer by pressing the **Add**  / **Delete**  button, from the right side of the block offer form window.

Selection filters may be used for displaying the block offers, as follows:

Delivery Day CET This is the delivery day for which the offer is submitted.

Participant The short name of the participant in the DAM Trading System.

Area Filters the electricity offers based on the trading area which is mentioned in the offer. The facility is created generally. The participants will exclusively select Romania in order to submit offers.

Version Filters the electricity offers based on the version.

Currency Includes a list of pre-defined currencies. The participants will exclusively select RON in order to submit the offers. This is a general functionality of the system but not used in the implemented DAM.

Selection filters may be used for displaying of information in the block offer window, as follows:

Bid ID Is the block identifier, also used as reference for the linked blocks, when it is a "parent" block for another block.

The identifier is assigned automatically by the system in order to identify the blocks. As the participant may send several block offers for the national trading area, the block identifier is incremented.

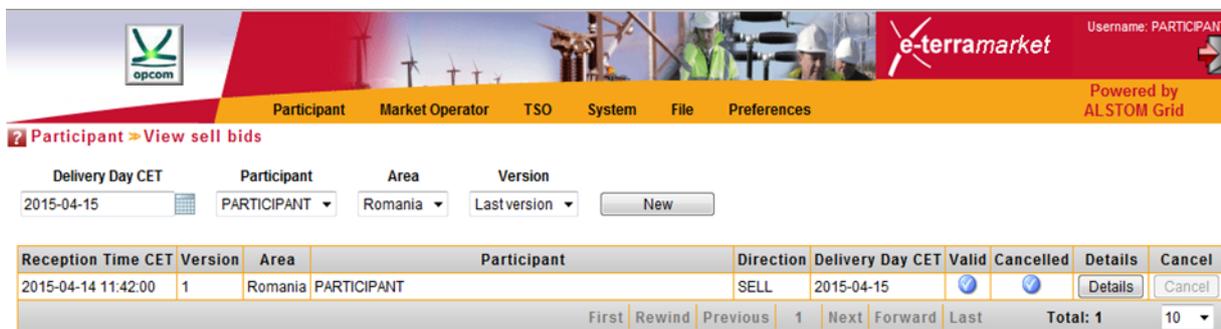
Block: Hours	Includes the name of the block (as defined by DAMO or by the participant) and the block definition period (expressed in starting and ending hours).
Area	Filters the electricity offers based on the trading area which is mentioned in the offer. The facility is a general one. The participants will exclusively select Romania in order to submit offers.
Linked Bids	The "parent" block identifier to which the block is connected. The implicit selection is "--" (for an independent block).
Price (RON/MWh)	The block offer price.
Quantity (MWh)	The quantity related to the block offer.

After submission of the offers, the participant will save the offers in the system by selecting **Save**. The participant has the following additional selection options:

Save&Exit	It saves the offer in the trading system and exits the offer form.
Download	It allows the downloading of the offer in .xml format even if it was created through the graphical interface of the application.
Exit	It exits from the offer in the trading system without saving it.

NOTE: The block offers can be rejected even if they are in the money. This situation could occur if Euphemia algorithm rejects the block during the optimization process in order to get a higher social welfare or if the block is a "child" block whose "parent" was rejected. In both cases participant is accordingly notified in Audit Trail through a message that contains a relevant code (1 in first case and 2 in second case).

2.3. SELL OFFERS



Reception Time CET	Version	Area	Participant	Direction	Delivery Day CET	Valid	Cancelled	Details	Cancel
2015-04-14 11:42:00	1	Romania	PARTICIPANT	SELL	2015-04-15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Details	Cancel

In case of sell offers, the actions and steps are similar to those for buy offers.

ATTENTION: The offer template contains both single and block offer template. When saving the offer, both single and block offer will be saved whichever part was changed.

2.4. CONDITIONS FOR SENDING OFFERS BY EMAIL TO BE LOADED BY DAMO

If the participant cannot access the DAM trading system, he can send his own Energy Offer in .xml format by e-mail and request its upload on his behalf in the DAM trading system. In this case, it will operatively notify DAMO by telephone of the problems of connection to the computer application related to DAM and will send by e-mail, in due time, the offer in .xml format in order to upload it to the trading system by DAMO on behalf of his.

The following conditions for sending offers by e-mail to be uploaded by DAMO will be taken into account:

- A. To specify in the body or in the subject of the email the name of the company for which it wishes to upload the offer / offers;
- B. To send a separate e-mail for each participant for whom it is desired to upload the offer / offers.

3. MARKET OPERATOR MENU

The **MARKET OPERATOR** menu allows participant access to the data published by DAMO in the platform, i.e.:

- **Trade Confirmations** – It displays the participant’s trade confirmations.
- **Collateral Guarantee** – It displays the participant’s available guarantee.
- **Currency Rate** – It displays the exchange rate taken from the NBR (The National Bank of Romania) website and published by DAMO.

Gates	Date CET	Close Date CET	Delivery Day CET	Opened	Closed
Offer submission	09:00:00	14:00:00	2015-12-04	<input checked="" type="checkbox"/>	
ATC Publication	12:50:00	14:00:00	2015-12-04		
ATC Submission	12:50:00	14:00:00	2015-12-04		
Offer Verification	14:00:00	14:02:00	2015-12-04		
Matching process	14:02:00	14:40:00	2015-12-04		
Results Publication	14:40:00	14:50:00	2015-12-04		
Objection	14:50:00	15:10:00	2015-12-04		
Physical notification	15:10:00	15:20:00	2015-12-04		
Early Market Submission	06:00:00	19:00:00	2015-12-05	<input checked="" type="checkbox"/>	
Early Market Submission	06:00:00	19:00:00	2015-12-06	<input checked="" type="checkbox"/>	
Early Market Submission	06:00:00	19:00:00	2015-12-07	<input checked="" type="checkbox"/>	
Early Market Submission	06:00:00	19:00:00	2015-12-08	<input checked="" type="checkbox"/>	
Early Market Submission	06:00:00	19:00:00	2015-12-09	<input checked="" type="checkbox"/>	
Early Market Submission	06:00:00	19:00:00	2015-12-10	<input checked="" type="checkbox"/>	

3.1. TRADE CONFIRMATIONS

The trade confirmations are issued by DAMO after the closing of the gates for running of the calculation algorithm during the **“Matching process”** or **“Extended matching process”**.

In order to view the trade confirmations, the participant must select **Trade confirmations** from the **Market Operator** group in the main menu.

Identification	Code	Type	Direction	Interval	Party	Acer code	Trading Zone	Trade confirmation id	Version	Objection	Block Details	Cleared MWh	RON/MWh	Actions
SHB_BUY_1_TD_1	6653372	SHB	BUY	1	PARTICIPANT	B0000118H.RO	Romania	6156044	1		Show	0.0	200.41	Objection
SHB_BUY_1_TD_2	6653385	SHB	BUY	2	PARTICIPANT	B0000118H.RO	Romania	6155874	1		Show	0.0	202.80	Objection
SHB_BUY_1_TD_3	6653391	SHB	BUY	3	PARTICIPANT	B0000118H.RO	Romania	6156060	1		Show	0.0	207.62	Objection
SHB_BUY_1_TD_4	6653384	SHB	BUY	4	PARTICIPANT	B0000118H.RO	Romania	6155923	1		Show	0.0	206.86	Objection
SHB_BUY_1_TD_5	6653388	SHB	BUY	5	PARTICIPANT	B0000118H.RO	Romania	6155984	1		Show	0.0	205.79	Objection
SHB_BUY_1_TD_6	6653381	SHB	BUY	6	PARTICIPANT	B0000118H.RO	Romania	6155878	1		Show	0.0	203.53	Objection
SHB_BUY_1_TD_7	6653376	SHB	BUY	7	PARTICIPANT	B0000118H.RO	Romania	6155952	1		Show	0.0	210.00	Objection
SHB_BUY_1_TD_8	6653380	SHB	BUY	8	PARTICIPANT	B0000118H.RO	Romania	6156069	1		Show	0.0	211.95	Objection
SHB_BUY_1_TD_9	6653375	SHB	BUY	9	PARTICIPANT	B0000118H.RO	Romania	6156047	1		Show	0.0	216.59	Objection
SHB_BUY_1_TD_10	6653389	SHB	BUY	10	PARTICIPANT	B0000118H.RO	Romania	6155988	1		Show	0.0	210.00	Objection

In order to view the initial offers, the offers will be expanded by selecting the **Show** button from the **Block Details** column.

In the **Cleared** column the results of the transactions, i.e., the quantity and MCP, are displayed.

Trade confirmations can be filtered according to:

Delivery Day CET The delivery day for which displaying of the transactions is desired.

Offer Type The type of offer for which the trade confirmation (sell or buy) was issued.

Trading Zone	The trading area of the offer for which the trade confirmation was issued.
Trading Interval	The trading interval of the offer for which the trade confirmation was issued.
Objection	It displays if the participant raised objection on the trade confirmation or not.

The list of trade confirmations includes:

Identification	The offer identification code (inserted by the participant upon the trading process) for which the trade confirmation was issued.
Code	The unique internal code of the offer allocated by the System.
Type	The electricity offer type for which the transaction confirmation (SHB hourly offer or BLB hourly offer) was issued.
Interval	The trading interval of the electricity offer for which the trade confirmation was issued.
Participant	The short name of the participant assigned on DAM.
ACER Code	The code received by the wholesale market participant at registration in national register issued by ANRE on March 18, 2015.
Trading Zone	The trading area of the electricity offer for which the trade confirmation was issued.
Trade confirmation ID	ID assigned by the System for trade confirmation.
Version	The trade confirmation version. The version number is incremented whenever a new trade confirmation for a certain electricity offer is issued.
Objection	The status of the objection regarding the confirmation of a trade.
Block Details	The participant's offer, in detail: the quantity of the bid pairs, the aggregated quantity related to each price, the prices of the bid pairs.
Cleared	The electricity which was executed by the trading system from the total offered electricity and which defines the quantity of electricity for which the trade confirmation was issued and the market clearing price (MCP).
Actions	The participant can send objections to the trade confirmations.

3.2. COLLATERAL GUARANTEE

Offers are automatically validated according to the available guarantees, if there are buy offers at positive prices, respectively sell offers at negative prices at their registration in the trading system.

The available guarantee must cover all the active relevant offers registered in the trading system.

The validation guarantee is updated every banking day and is dated. The value of the guarantee is defined for a certain period of time. In case two guarantee periods overlap, only the latter position is considered by the trading system.

Submission time CET	Effective day CET	Termination day CET	Collateral guarantee	Currency
2015-04-14 09:16:00	2015-04-15	2015-10-11	500000000.00	RON
2015-04-14 09:16:00	2015-04-16	2015-10-11	500000000.00	RON
2015-04-14 09:16:00	2015-04-16	2015-10-11	500000000.00	RON
2015-04-08 07:15:00	2015-04-09	2015-04-10	50000000.00	RON
2015-04-08 07:15:00	2015-04-09	2015-06-10	50000000.00	RON
2015-04-07 11:06:00	2015-04-08	2015-04-11	50000000.00	RON
2015-04-05 11:41:00	2015-04-06	2015-04-09	50000000.00	RON
2015-04-05 11:41:00	2015-04-06	2015-04-08	50000000.00	RON

The available guarantee is updated by the trading system, by decreasing the validation guarantee for the relevant trading day with the value of the buy offers at positive prices and/or of the sell offers at negative prices submitted until then and it must cover all the active offers registered in the trading system. The *Collateral guarantee* screen will be updated in order to show the available guarantee.

3.3. VOLUME LIMITS

In case the DAM participant did not ask for setting definite volume limits for buy and sell offers (these limits should be separately provided for sell and buy), it will apply the system limits as in the picture below. Volume limits represent maximum quantity that could be offered by a participant on each hourly interval, considering both hourly and block offers for a type of offer.

From time	To time	Sell Max (MWh)	Buy Max (MWh)
2005/01/11	2020/01/01	99999.0	99999.0
2005/01/11	2020/01/01	99999.0	99999.0

3.4. VIEW MAX / MIN PRICES

This screen shows the maximum and minimum price scale limits according to introduces exchange rate.

Delivery day CET	Min price(EUR)	Max price(EUR)	Min price(RON)	Max price(RON)
2015-04-15	-500.00	3000.00	-2210.10	13260.60
2015-04-16	-500.00	3000.00		
2015-04-17	-500.00	3000.00		
2015-04-18	-500.00	3000.00		
2015-04-19	-500.00	3000.00		
2015-04-20	-500.00	3000.00		
2015-04-21	-500.00	3000.00		

3.5. CURRENCY RATE

The currency rate valid for the delivery days for which it was inserted by DAMO will be displayed.

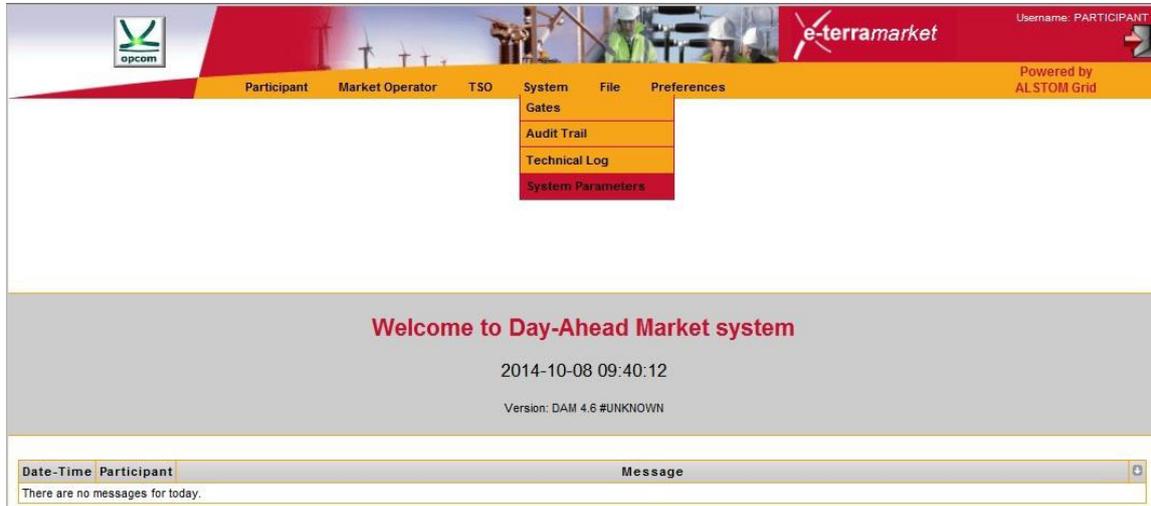
Effective Date CET	Currency	Rate
2014-12-01	EUR	4.430000000
2014-11-30	EUR	4.420000000
2014-11-29	EUR	4.425500000
2014-11-28	EUR	4.420900000
2014-11-04	EUR	4.402600000
2014-11-02	EUR	4.422200000
2014-11-01	EUR	4.410200000

4. TSO MENU

The trading system offers a dedicated screen for displaying the available transmission capacity on interconnection [ATC INPUT]

Interval	Corridors	Romania->Hungary
00:00-01:00	800.0	800.0
01:00-02:00	800.0	800.0
02:00-03:00	800.0	800.0
03:00-04:00	800.0	800.0
04:00-05:00	800.0	800.0
05:00-06:00	800.0	800.0
06:00-07:00	800.0	800.0
07:00-08:00	800.0	800.0
08:00-09:00	800.0	800.0
09:00-10:00	800.0	800.0
10:00-11:00	800.0	800.0
11:00-12:00	800.0	800.0
12:00-13:00	800.0	800.0
13:00-14:00	800.0	800.0
14:00-15:00	800.0	800.0
15:00-16:00	800.0	800.0
16:00-17:00	800.0	800.0
17:00-18:00	800.0	800.0
18:00-19:00	800.0	800.0
19:00-20:00	800.0	800.0
20:00-21:00	800.0	800.0
21:00-22:00	800.0	800.0
22:00-23:00	800.0	800.0
23:00-24:00	800.0	800.0

5. SYSTEM MENU - SYSTEM FUNCTIONALITIES



The **System** menu allows access to the information related to the status of the bidding/trading on the DAM process and to the information regarding the actions carried out:



5.1 GATES

Displays the list of gates from the bidding/trading process and their status.

The gates screen displays all the available gates for the current date and their status.



System time: 2015-04-14 11:56:30 CET

Gates	Open Date CET	Close Date CET	Delivery Day CET	Opened	Closed
Offer submission ✓	06:00:00	11:00:00	2015-04-15	🔵	🔵
ATC Submission	09:15:00	11:00:00	2015-04-15	🔵	🔵
Automatic ATC retrieval	09:18:00	09:18:00	2015-04-15	🔵	🔵
ATC Publication	09:30:00	11:00:00	2015-04-15	🔵	🔵
Offer Verification	11:00:00	11:05:00	2015-04-15	🔵	🔵
Matching process	11:05:00	11:40:00	2015-04-15	🔵	🔵
Emergency offer submission ✓	11:46:00	11:50:00	2015-04-15	🔵	🔵
Objection	11:50:00	12:10:00	2015-04-15	🔵	🔵
Emergency matching process	11:50:30	11:55:00	2015-04-15	🔵	🔵
Automatic final confirmation	11:51:30	11:52:00	2015-04-15	🔵	
Automatic preliminary confirmation	11:51:30	11:55:00	2015-04-15	🔵	
Results Publication	11:56:00	12:06:00	2015-04-15	🔵	
Physical notification	12:10:00	12:20:00	2015-04-15	🔵	🔵
Early Market Submission ⚠️	06:00:00	19:00:00	2015-04-16	🔵	
Early Market Submission ⚠️	06:00:00	19:00:00	2015-04-17	🔵	
Early Market Submission ⚠️	06:00:00	19:00:00	2015-04-18	🔵	
Early Market Submission ⚠️	06:00:00	19:00:00	2015-04-19	🔵	
Early Market Submission ⚠️	06:00:00	19:00:00	2015-04-20	🔵	
Early Market Submission ⚠️	06:00:00	19:00:00	2015-04-21	🔵	

The DAM trading process is driven by the gate mechanism. A gate can be in one of the following states: open, closed or in course of opening/closing. The gate mechanism allows the trading system to comply with the trading regulations defined by the regulations in force with regard to the time limits. Before using the trading system, it is important to understand the purpose of each gate defined in the system.

The gate contains the following information:

- Gates** The name of the gate, the gate being associated with certain actions within the coupling process which are or can be executed when the gate is open.
- Open Date CET** The hour when the gate opens.
- Close Date CET** The hour when the gate closes.
- Delivery Day CET** The day of energy delivery which the trading is performed for.
- Open** When the gate is not checked in, it is not yet open, and when the gate is checked in, it was opened during that day.
- Close** When the gate is checked in, it was closed.

The gates displayed in the normal regime coupling facility in the trading system are:

- Offer Submission** The gate allows the transmission/modifying/cancelling of the offers. The mark  signifies the fact that the gate is defined (the exchange rate exists and therefore the limits of the price scale are known) for the respective delivery day. If this gate is defined and open participant can submit offers.
- ATC Submission** The gate allows for the integration of the ATC values in the trading system.
- ATC Publication** The publication of ATC values in the trading system is starting with the opening time of the gate if the ATC values were already registered in the trading system and will be visible for participant.
- Offer Verification** The trading system performs the verification of the offers integrated in the trading system until the closing time of DAM.
- Matching Process** When this gate is opened the orderbook is created (Orderbook). During this gate related to the calculation process, the Orderbook is sent to the 4M MC Coordinator, the results of the coupling are received, the portfolios allocation is achieved and the communication with the 4M MC Coordinator is performed in order to accept the results. In case of decoupling, during this gate the Orderbook is created, and matching is performed (creating a case, running, validation and notification of the case).
- Results Publication** The trade confirmations are available for the participant starting with the opening time of this gate.
- Objection** The Participant has the possibility to send the objections to the trade confirmation according to the regulations in force.
- Physical**
- Notification** The notifications of the transactions for the Participant, and the Physical Notifications for the BRP respectively are available starting with the opening time of this gate.
- Early Market**
- Submission** The submission of the offers can be performed in advance only if the exchange rate EUR-RON is available and, therefore, the limits of the price scale are known for the delivery day. If this is available for a delivery day, the gate is marked by . If the gate cannot be accessed for the relevant delivery day, this is marked as .

There are some gates with relevance for DAMO and are represented with yellow background, like Automatic ATC retrieval (repeated trials to fetch ATC values from TSOs communication system), Automatic Preliminary Confirmation and Automatic Final Confirmation (that reflect intermediary steps of the market coupling process).

Any gates created by the DAMO (Extended, Second Auction, Emergency and Rescheduling) are also displayed with yellow background.

5.2 AUDIT TRAIL

List of registrations that maintain the record of all events related to trading. This allows the participant to keep the record of all significant actions taken on the market, as well as those performed by the system.

The following window shows an example of the audit trail:

Participant Market Operator TSO System File Preferences			
System >> Audit Trail			
Message Date CET	User Filter	Action Filter	
2014-10-28	All	All	New Message
Time CET	Participant	User	Message
2014-10-28 11:13:00		SYSTEM	Early Market Submission gate with the open-close time 07:00-19:00 for delivery day 2014-10-31 was opened.
2014-10-28 11:13:00		SYSTEM	Early Market Submission gate with the open-close time 07:00-19:00 for delivery day 2014-11-01 was opened.
2014-10-28 11:13:00		SYSTEM	Early Market Submission gate with the open-close time 07:00-19:00 for delivery day 2014-11-03 was opened.
2014-10-28 11:13:00		SYSTEM	Early Market Submission gate with the open-close time 07:00-19:00 for delivery day 2014-11-02 was opened.
2014-10-28 11:13:00		SYSTEM	Early Market Submission gate with the open-close time 07:00-19:00 for delivery day 2014-11-04 was opened.
2014-10-28 11:13:00	PARTICIPANT	PARTICIPANT	User PARTICIPANT was logged in the system from host 10.221.0.184 (10.221.0.184).
2014-10-28 11:13:00	PARTICIPANT	PARTICIPANT	User PARTICIPANT was logged in the system from host 10.221.0.184 (10.221.0.184).
2014-10-28 11:13:00	PARTICIPANT	PARTICIPANT	User PARTICIPANT was logged in the system from host 10.221.0.183 (10.221.0.183).
2014-10-28 11:13:00	PARTICIPANT	PARTICIPANT	User PARTICIPANT was logged in the system from host 10.221.0.183 (10.221.0.183).
2014-10-28 11:13:00	PARTICIPANT	PARTICIPANT	Participant message: .
First Rewind Previous 1 2 3 4 5 Next Forward Last			Total: 14 10

The list of records can be filtered according to the following criteria:

Message Date CET It is the day when the event reported in the audit trail took place.

User Filter The user which initiated the event reported in the audit trail.

Action Filter The type of action, for instance electricity offer submission, the file upload, etc.

A message regarding the audit trail contains the following characteristics:

Time CET Date and time of the reported event.

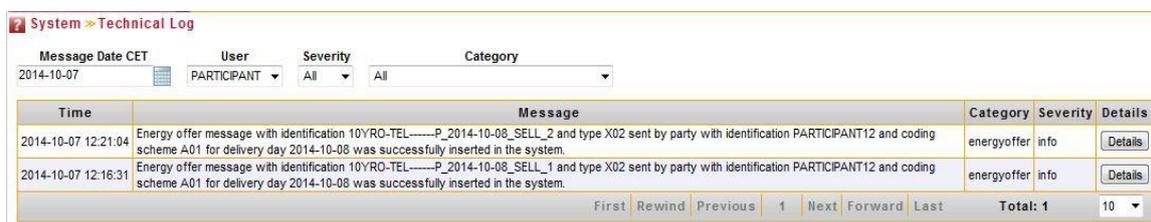
Participant The Participant which the message is addressed to. In case the participant is an empty field, the message is addressed by the system to all participants to the trading system.

User It is the user responsible for the reported event.

Message The message provides a description of an action or an event.

5.3 TECHNICAL LOG

Unlike the audit trail, the technical log provides the user with the detailed information regarding certain actions. For instance, the technical log will include all error messages regarding the files uploaded in the trading system by the participant. As compared to the audit trail, the technical log contains information which has no impact on the market. For instance, if a participant tries to submit invalid electricity offers, these will be rejected by the system and the technical errors will be available in the technical log. The audit trail will contain only one message with regard to an electricity offer which can be saved in the trading system, since only these offers have significance on the market.



Time	Message	Category	Severity	Details
2014-10-07 12:21:04	Energy offer message with identification 10YRO-TEL-----P_2014-10-08_SELL_2 and type X02 sent by party with identification PARTICIPANT12 and coding scheme A01 for delivery day 2014-10-08 was successfully inserted in the system.	energyoffer	info	Details
2014-10-07 12:16:31	Energy offer message with identification 10YRO-TEL-----P_2014-10-08_SELL_1 and type X02 sent by party with identification PARTICIPANT12 and coding scheme A01 for delivery day 2014-10-08 was successfully inserted in the system.	energyoffer	info	Details

The technical log can be filtered by:

- Message Date CET** The day when the event reported in the technical log took place.
- User** The user responsible for the reported event.
- Security** The gravity of the event: error, warning, or information.
- Category** The category to which the event is part of (for instance, electricity offers).

A message regarding the technical log contains the following characteristics:

- Time** Time of the event.
- Message** Description of the event.
- Category** The category to which the event pertains (for instance, electricity offers).
- Security** It represents the gravity of the event: error, warning, or information.
- Details** Message details.

In order to facilitate the reading, the technical log only displays the important information regarding the event. This allows the participant to quickly find out if all actions were successfully performed or if errors occurred. In order to obtain additional information with regard to an event or a process, the participant must press the button **Details**.

ATTENTION: The market Participant must regularly check the messages from the **Audit Trail** and **Technical Log** in order to be informed with regard to market events as well as feedback to his own actions in the platform.

5.4 SYSTEM PARAMETERS

This screen shows parameters that limits block offers of the participants, according to in force regulations.

Name	Details	Value	Effective day CET
BLB_MAX_VOLUME	Maximum energy volume allowed to be entered by participant per block	400	2004-01-01
BLB_MAX_LINKED_BIDS	Max number of linked block bid offers in one message	15	2004-01-01
BLB_MAX_NUMBER	Max number of block bid offers in one message	100	2004-01-01

6. FILE MENU

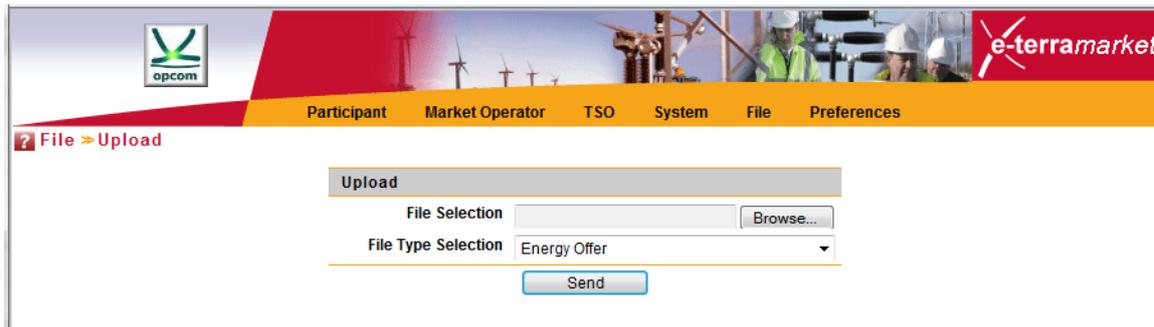
The file interface permits the participant to submit XML files to the system and to download from the system database either the XML files generated by the system (ex. notifications) or offer files previously transmitted or created by the system based on offers previously submitted through user graphical interface.

Date CET	Name	Identification	Version	Sender	Receiver	Valid	Download
2015-11-29 14:40:02	MCPMessage_2015-11-30_EUR.xml	X34_2015-11-30	1	OPCOM	-	✓	
2015-11-29 14:40:02	MCPMessage_2015-11-30_RON.xml	X30_2015-11-30	1	OPCOM	-	✓	
2015-11-29 12:59:30	PARTICIPANT_Buy_2015-06-27.xml	10YRO-TEL-----P_2015-01-09_BUY_2	1	PARTICIPANT	OPCOM	✓	
2015-11-29 12:13:00	PARTICIPANT12_2015-11-30_2_.xml	10YRO-TEL-----P_2015-11-30_SELL_2	2	PARTICIPANT	OPCOM	✓	
2015-11-29 12:10:20	PARTICIPANT12_2015-11-30_1_.xml	10YRO-TEL-----P_2015-11-30_SELL_1	1	PARTICIPANT	OPCOM	✓	

6.1. UPLOAD

In order to use the upload interface, the participant must select the **Upload** option from the **File** submenu.

The next picture allows the user to select the file type intended to be uploaded in the trading system (only Energy Offer for participants):



Afterwards, the user can select the file which must be entered into the system and the type of information which the XML file is supposed to contain.

The time required to upload the XML file depends on the size of the file and the connection speed to the internet of the Participant's work station.

Once the file is uploaded on the server, it is validated from the perspective of the syntax as an XML file and from the perspective of the content, in order to comply with the trading rules. For additional information regarding the format and the rules of the XML file, the chapter treating the XML format of the present document must be followed.

In case the file is accepted by the system (all rules are validated), the message for successful update **[upload success]** will appear. In case of certain problems, one or more errors are reported to the user.

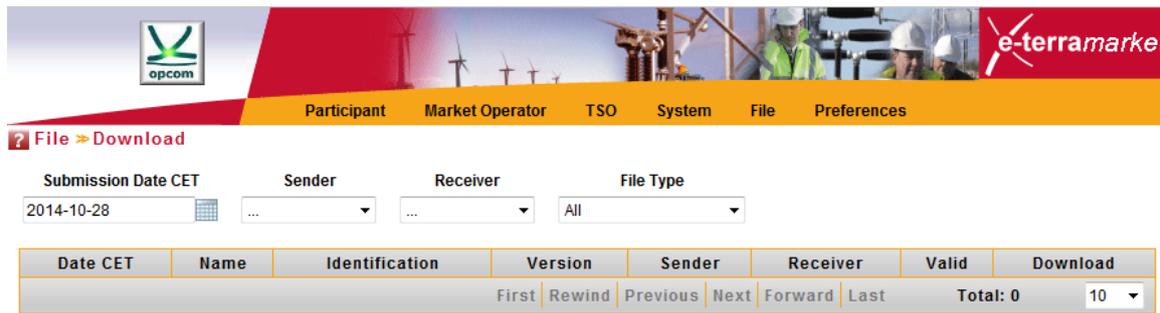
6.2 DOWNLOAD

The facility to download the file allows the user to download in its own system, the following:

- Offers previously uploaded as files or through graphical interface. **An offer entered through the graphical interface of the trading system can be downloaded as an XML file; The offer file will contain both the hourly offer and the block offers registered on the relevant direction (sell or buy).**
- Files generated by the trading system (for instance notification of the transactions of the participant and the physical notification if the user is a Balancing Responsible Party).
- Trade Reports – REMIT Reports used for notifying the offers and trades to ACER.

In order to access the download facility of the file, the user must select the **Download** option from the **File** submenu.

The downloading page will look like as follows:



The user can search a file in the system according to:

- Submission Date CET** The date when the file was registered in/created by the trading system.
- Sender** The user who initially sent the file.
- Receiver** The user who received the file.
- File Type** The type of the file, for instance the electricity offer.



The list of the files available contains the following information:

- Date CET** The date when the file was inserted in the system.
- Name** Filename
- Identification** The identification of the message defined in the header of an XML file accepted by the Trading System.
- Versiunea** The version of the message defined in the header of an XML file accepted by the Trading System.
- Sender** Party which sent the file.
- Receiver** Party to which the file is intended.
- Valid** Whether the file is valid or not.

Download It allows the downloading of the offer in .xml format even if it was created through the graphical interface of the application.

The list of the files available for download are:

All	All the files
Energy Offer	The list of Energy Offers submitted
Market Clearing Price	Market Clearing Price for the selected delivery day
Trade Report	Trade Report for REMIT
TP Physical Notification	Physical Notification file of the participant

7. PREFERENCES

The user can choose the preferred language by selecting the option **Language** from the **Preferences** group of the main menu.



The following window allows the user to select the preferred language for use:



NOTE: The menu is available in English and Romanian languages.

8. TIME CHANGE

Each trading interval from the DAM trading system represents an hour. For instance, the trading interval 1 starts at 12:00 AM (24:00/0:00) and ends at 1:00 AM, CET.

8.1. SUMMERTIME / WINTERTIME

All days have 24 trading intervals, either summer days or winter days, except for the days of transition from the summertime to the wintertime:

Interval	Trading time (CET)
1	0:00 – 1:00
2	1:00 – 2:00
3	2:00 – 3:00
4	3:00 – 4:00
...	...
24	23:00 – 0:00

8.2. DAY OF TRANSITION FROM WINTERTIME TO SUMMERTIME

In the last Sunday of March, the transition from the wintertime to summertime takes place. The day will have 23 hourly intervals. In CET hours, 02:00 hrs. will become 03:00 hrs.

The offers must contain 23 trading intervals (the hourly interval between 2:00 AM and 3.00 AM CET is omitted):

Interval	Trading time (CET)
1	0:00 – 1:00
2	1:00 – 2:00
Omitted	2:00 – 3:00
3	3:00 – 4:00
...	...
23	23:00 – 0:00

8.3. DAY OF TRANSITION FROM SUMMERTIME TO WINTERTIME

In the last Sunday of October, the transition from the summertime to the wintertime takes place. That day, clock is shifted back. The day will have 25 hourly intervals. In CET hours, 03:00 hrs. will become 02:00.

The offers must contain 25 trading intervals; all 25 hourly intervals are independent, the offers can be different also for the interval that is double):

Interval	Trading time (CET)
1	0:00 – 1:00
2	1:00 – 2:00
3	2:00 – 3:00
4	2:00 – 3:00
5	3:00 – 4:00
...	...
25	23:00 – 0:00

9. XML FILE FORMAT

The Trading System provides interfaces for the import and export of XML files, as described in this document.

9.1. GENERAL RULES

This chapter describes the rules applying to the XML file for offers which can be uploaded in the DAM trading system:

1. The participant can send several versions of the offer file, each new offer file having its version incremented by one unit.
2. If it is accepted by the system, the new version will overwrite the previous one.
3. The offers are performed in CET times. The time within the offers will consequently be expressed in UTC (Coordinated Universal Time), according to ISO8601. In order to meet the requirements of the XML scheme, the time is represented as **YYYY-MM-DDTHH:MMZ**.
4. All time intervals from the message are expressed in UTC (Universal Time) according to ISO860, as **YYYY-MM-DDTHH:MMZ/YYYY-MM-DDHH:MMZ**.
5. The time interval of the message must be always equal to a 24-hour period, except for the following cases:
 - the time interval covering the delivery date of transition from the summertime to the wintertime must include 25 hours (for the CET, the time interval in UTC is **YYYY-MM-DDT22:00Z/YYYY-MM-DDT23:00Z**)

- the time interval covering the delivery date of transition from the wintertime to the summertime must include 23 hours (for the CET, the time interval in UTC is **YYYY-MM-DDT23:00Z/YYYY-MM-DDT22:00Z**)
- 6. All values expressing quantities must be positive numbers with one decimal [MWh].
- 7. The prices are expressed in the national currency [Lei] with two decimals and can be positive, negative numbers or zero, subject to the inclusion within the price scale according to the in-force regulations and procedures.

9.2. OFFER FILE

The offer file contains a set of electricity offers (hourly offers and/or block offers) sent by a DAM participant for a delivery day for a certain direction.

All offers in the same direction (sell or buy) are sent within the same offer message. A participant can send a single file for the sell offers (hourly or block offers) and/or a single file for the buy offers (hourly or block offers).

ATTENTION: Sending an offer of a certain direction (sell, respectively buy) will not replace the offer in the other direction (buy, respectively sell), if the case.

The participant can send several versions of the offer files. The sending of a new version of the offer message of a certain type (sell/buy) cancels and replaces all offers of the same type (respectively sell/buy) existing in the trading system (containing both hourly offers and block offers).

For instance:

- If the participant filled in a block sell offer through the graphical interface and then registers an offer file containing only the hourly sell offer in the trading system, the latter version will overwrite the offers existing in the system. In the end, only the hourly sell offer will remain, the block offer being cancelled by being overwritten. If the intention is to keep both files, they have to be found in the offer XML file or the hourly offer will be submitted by the interface.

ATTENTION: Both hourly and block offers are considered in the same offer; therefore, the DAM participant have to ensure that entire offer, wanted hourly and block as well, are included in the new file.

- The same principle applies for the offers according to different hours. If the participant has registered an offer on the platform for the intervals 1 and 3 and subsequently uploads, in the trading system, an offer file containing an hourly offer amended for interval 3, the last will overwrite the offers already existing in the system. In the end, only the hourly offer for interval 3 remains.

In an offer file, the electricity offers are applied to one delivery day related to CET time. If a participant wishes to send offers for two delivery days, then the trading system requires two messages for the electricity offer.

Offer file header	Description
<?xml version="1.0" encoding="UTF-8"?>	Information regarding the file type used (fixed standard message)
<EnergyOfferMessage xmlns=http://eterra/dayahead/offer/ DtdVersion="2" DtdRelease="3">	Information regarding the trading platform (fixed standard message)
<MessageIdentification v="OFFER_04_06_2014"/>	Message identification (offer file name)
<MessageVersion v="1"/>	Message version (it is incremented whenever the offer is amended)
<MessageType v="X01"/>	Sell (X02) or buy (X01) message type
<SenderIdentification v="A_PARTY_ID001" codingScheme="A01"/>	Identification of the participant (the participant's code allocated by DAMO)
<ReceiverIdentification v="30XROOPCOM- ----C" codingScheme="A01"/>	Identification of the party that receives the message (30XROOPCOM-----C)
<MessageDateTime v="2014-06- 04t08:37:00Z"/>	Date and hour of creation of the message
<MessageTimeInterval v="2004-06- 17T22:00Z/2004-06-18T22:00Z"/>	Start and end date and hour of the bidding period. The bidding is performed in CET ² hours.
<Resolution v="PT1H"/>	Trading interval duration. The hourly interval is used for trading on DAM.

Hourly Offer	
<EnergyOffer>	Electricity offer definition start for a trading interval (fixed standard message)
<OfferIdentification v="SHB-2"/>	Electricity offer identification

0Z/2014-10-27T23:00Z"/>

Shift from wintertime to summertime 30.03.2014

<MessageTimeInterval v="2014-03-29T23:00Z/2014-03-30T22:00Z"/>

<Version v="1"/>	Electricity offer version (it is incremented whenever the offer is amended)
<Type v="SHB"/>	Offer type: SHB is the codification for the hourly offer
<TradingZone v="10YRO-TEL-----P " codingScheme="A01"/>	Trading area code, i.e. Romania's code
<PartyIdentification v="1234" codingScheme="A01"/>	Identification of the participant (the participant's code allocated by DAMO)
<Currency v="RON"/>	Bidding currency. The available currency for the current bidding/trading rules is RON.
<Interval v="20"/>	Trading interval
<Block>	Start of price-quantity pairs definition for the electricity offer
<Pos v="1"/> <Price v="100.00"/> <Qty v="110.0">	Position of a price-quantity pair of an hourly electricity offer Electricity offer price (mentioned in Lei with 2 decimals) Electricity offer quantity (mentioned in MWh with 1 decimal)
</Block>	End of price-quantity pairs definition for the electricity offer
<Block>	
<Pos v="2"/> <Price v="90.00"/> <Qty v="100.0"/>	
</Block>	
<Block>	
<Pos v="3"/> <Price v="80.00"/> <Qty v="90.0"/>	
</Block>	
</EnergyOffer>	
.....	

<EnergyOffer>	Electricity offer definition start for a trading interval (standard, fixed message)
<OfferIdentification v="SHB-3"/>	
<Version v="1">	
<Type v="SHB"/>	
<TradingZone v="10YRO-TEL-----P" codingScheme="A01"/>	
<PartyIdentification v="1234" codingScheme="A01"/>	
<Interval v="21"/>	
<Block>	
<Pos v="1"/>	
<Price v="100.00"/>	
<Qty v="110.0"/>	
</Block>	
</EnergyOffer>	End of electricity offer definition for a trading interval (standard, fixed message)
Block offers	
<EnergyOffer>	Start of block electricity offer definition (fixed standard message)
<OfferIdentification v="BLB_1"/>	Electricity offer identification
<Version v="1"/>	Electricity offer version (it is incremented whenever the offer is amended)
<Type v="BLB"/>	Offer type: BLB is the codification for the hourly block offer
<TradingZone v="10YRO-TEL-----P" codingScheme="A01"/>	Trading area code, i.e., Romania's code
<PartyIdentification v="1245" codingScheme="A01"/>	Identification of the participant (the participant's code allocated by DAMO)
<Currency v="RON"/>	Bidding currency. The available currency for the current bidding/trading rules is RON.

<BlockIdentification v="Bloc_Baza"/>	Identification of the "Block"-type electricity offer (for example, Base Block)
--------------------------------------	--

<Block>	Start of price-quantity pairs definition for the electricity offer
<Pos v="1"/>	Position of a price-quantity pair of an hourly electricity offer
<Price v="200.00"/>	Electricity offer price (mentioned in Lei with 2 decimals)
<Qty v="20.0">	Electricity offer quantity (mentioned in MWh with 1 decimal)
</Block>	End of price-quantity pairs definition for the electricity offer
</Block>	
</EnergyOffer>	
</EnergyOfferMessage>	
<EnergyOffer>	
<OfferIdentification v="BLB_2"/>	
<Version v="3"/>	
<Type v="BLB"/>	
<TradingZone v="10YRO-TEL-----P" codingScheme="A01"/>	
<PartyIdentification v="1245" codingScheme="A01"/>	
<Currency v="RON"/>	
<BlockIdentification v="Bloc_Noapte"/>	
<LinkedOffer v="BLB_1"/>	"Parent" block ("BLB_1") which the current block offer is linked with ("BLB_2")
<Block>	
<Pos v="1"/>	
<Price v="90.00"/>	
<Qty v="156.0">	

</Block>	
</EnergyOffer>	
</EnergyOfferMessage>	

9.3. EXAMPLE OF ELECTRICITY OFFER AS XML FILE

The following file provides an example of electricity offer sent by a DAM participant.

```
<?xml version="1.0" encoding="UTF-8"?>
<EnergyOfferMessage xmlns="http://eterra/dayahead/offer/" DtdVersion="2" DtdRelease="3">
  <MessageIdentification v="OFFER_04_06_2014"/>
  <MessageVersion v="1"/>
  <MessageType v="X01"/>
  <SenderIdentification v="A_PARTY_ID001" codingScheme="A01"/>
  <ReceiverIdentification v="30XROOPCOM-----C" codingScheme="A01"/>
  <MessageDateTime v="2014-06-04T08:37:00Z"/>
  <MessageTimeInterval v="2004-06-17T22:00Z/2004-06-18T22:00Z"/>
  <Resolution v="PT1H"/>

```

Hourly offer section

```
<EnergyOffer>
  <OfferIdentification v="SHB-2"/>
  <Version v="1"/>
  <Type v="SHB"/>
  <TradingZone v="10YRO-TEL-----P " codingScheme="A01"/>
  <PartyIdentification v="1234" codingScheme="A01"/>
  <Currency v="RON"/>
  <Interval v="20"/>
  <Block>
    <Pos v="1"/>
    <Price v="100.00"/>
    <Qty v="110.0"/>
  </Block>
</EnergyOffer>

```

```
<Block>
  <Pos v="2"/>
  <Price v="90.00"/>
  <Qty v="100.0"/>
</Block>
<Block>
  <Pos v="3"/>
  <Price v="80.00"/>
  <Qty v="90.0"/>
</Block>
</EnergyOffer>
<EnergyOffer>
  <OfferIdentification v="SHB-2"/>
  <Version v="1"/>
  <Type v="SHB"/>
  <TradingZone v="10YRO-TEL-----P" codingScheme="A01"/>
  <PartyIdentification v="1234" codingScheme="A01"/>
  <Interval v="21"/>
  <Block>
    <Pos v="1"/>
    <Price v="100.00"/>
    <Qty v="110.000"/>
  </Block>
</EnergyOffer>
```

Block offers section

```
<EnergyOffer>
  <OfferIdentification v="BLB_1"/>
  <Version v="1"/>
  <Type v="BLB"/>
  <TradingZone v="10YRO-TEL-----P" codingScheme="A01"/>
  <PartyIdentification v="1245" codingScheme="A01"/>
  <Currency v="RON"/>
  <BlockIdentification v="Bloc_Baza"/>
```

```
<Block>
  <Pos v="1"/>
  <Price v="200.00"/>
  <Qty v="20.000"/>
</Block>
</EnergyOffer>
</EnergyOfferMessage>
<EnergyOffer>
  <OfferIdentification v="BLB_2"/>
  <Version v="3"/>
  <Type v="BLB"/>
  <TradingZone v="10YRO-TEL-----P" codingScheme="A01"/>
  <PartyIdentification v="1245" codingScheme="A01"/>
  <Currency v="RON"/>
  <BlockIdentification v="Bloc_Noapte"/>
  <LinkedOffer v="BLB_1"/>
  <Block>
    <Pos v="1"/>
    <Price v="90.00"/>
    <Qty v="156.000"/>
  </Block>
</EnergyOffer>
</EnergyOfferMessage>
```

9.4. EXAMPLE OF THE NOTIFICATION OF THE PARTICIPANT FILE / PHYSICAL NOTIFICATION OF A BRP FILE

Example of a notification of the trades of a participant

```
<?xml version="1.0" encoding="windows-1250"?>
<ScheduleMessage xmlns:xsi=http://www.w3.org/2001/XMLSchema-instance
xsi:noNamespaceSchemaLocation="../schema/schedule-xml.xsd" DtdVersion="2" DtdRelease="3">
  <MessageIdentification v="A01_PARTICIPANT_2020-12-10"/>
  <MessageVersion v="1"/>
  <MessageType v="A01"/>
  <ProcessType v="A01"/>
```

```
<ScheduleClassificationType v="A01"/>
<SenderIdentification v="PARTICIPANT" codingScheme="A01"/>
<SenderRole v="A01"/>
<ReceiverIdentification v="10XRO-TEL-----2" codingScheme="A01"/>
<ReceiverRole v="A04"/>
<MessageDateTime v="2020-12-09T15:03:32Z"/>
<ScheduleTimeInterval v="2020-12-09T23:00Z/2020-12-10T23:00Z"/>
<ScheduleTimeSeries>
<SendersTimeSeriesIdentification v="DELIVERY"/>
<SendersTimeSeriesVersion v="1"/>
<BusinessType v="A02"/>
<Product v="8716867000016"/>
<ObjectAggregation v="A03"/>
<InArea v="10YRO-TEL-----P" codingScheme="A01"/>
<OutArea v="10YRO-TEL-----P" codingScheme="A01"/>
<InParty v="30XROOPCOM-----C" codingScheme="A01"/>
<OutParty v="PARTICIPANT" codingScheme="A01"/>
<MeasurementUnit v="MAW"/>
<Period>
<TimeInterval v="2020-12-09T23:00Z/2020-12-10T23:00Z"/>
<Resolution v="PT15M"/>
<Interval>
<Pos v="1"/>
<Qty v="500.0"/>
</Interval>
<Interval>
<Pos v="2"/>
<Qty v="500.0"/>
.....
<Interval>
<Pos v="96"/>
<Qty v="500.0"/>
</Interval>
</Period>
```

</ScheduleTimeSeries>

</ScheduleMessage>

Example of a Physical Notification of the trades related to a BRP

```
<?xml version="1.0" encoding="windows-1250"?>
```

```
<ScheduleMessage xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:noNamespaceSchemaLocation="../schema/schedule-xml.xsd" DtdVersion="2" DtdRelease="3">
```

```
<MessageIdentification v="X23_PARTICIPANT_2020-12-10"/>
```

```
<MessageVersion v="1"/>
```

```
<MessageType v="A01"/>
```

```
<ProcessType v="A01"/>
```

```
<ScheduleClassificationType v="A01"/>
```

```
<SenderIdentification v="PARTICIPANT" codingScheme="A01"/>
```

```
<SenderRole v="A01"/>
```

```
<ReceiverIdentification v="10XRO-TEL-----2" codingScheme="A01"/>
```

```
<ReceiverRole v="A04"/>
```

```
<MessageDateTime v="2020-12-09T15:03:33Z"/>
```

```
<ScheduleTimeInterval v="2020-12-09T23:00Z/2020-12-10T23:00Z"/>
```

```
<ScheduleTimeSeries>
```

```
<SendersTimeSeriesIdentification v="DELIVERY"/>
```

```
<SendersTimeSeriesVersion v="1"/>
```

```
<BusinessType v="A02"/>
```

```
<Product v="8716867000016"/>
```

```
<ObjectAggregation v="A03"/>
```

```
<InArea v="10YRO-TEL-----P" codingScheme="A01"/>
```

```
<OutArea v="10YRO-TEL-----P" codingScheme="A01"/>
```

```
<InParty v="30XROOPCOM-----C" codingScheme="A01"/>
```

```
<OutParty v="PARTICIPANT" codingScheme="A01"/>
```

```
<MeasurementUnit v="MAW"/>
```

```
<Period>
```

```
<TimeInterval v="2020-12-09T23:00Z/2020-12-10T23:00Z"/>
```

```
<Resolution v="PT15M"/>
```

```
<Interval>
```

```
<Pos v="1"/>
```

```
<Qty v="500.0"/>
```

```
</Interval>
<Interval>
<Pos v="2"/>
<Qty v="500.0"/>
.....

<Interval>
<Pos v="96"/>
<Qty v="500.0"/>
</Interval>
</Period>
</ScheduleTimeSeries>
</ScheduleMessage>
```