

Smart V1.3

User Manual

External GUI

Summary	This manual explains how BSPs can use Smart in order to communicate their Obligation Reserve Transfers (ORT) and Nomination Reserve Transfers (NRT) to Elia.	
Version	1.3	
Date	16-11-2017	
Status	<input type="checkbox"/> Draft	<input checked="" type="checkbox"/> Final

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1 About SMART

SMART (Secondary Market Reserve Trading) is an application where BSPs can exchange their reserve obligations and nominations to supply FCR (R1 by CIPU or non CIPU resources), R2 and R3 (by CIPU or non CIPU technical units). SMART is accessible to ELIA and the BSPs.

	FCR (R1)		R2	R3	
	CIPU	Non CIPU	CIPU	CIPU	Non CIPU
Up to DA	✓	✓	✓	✓	✓
ID	✓	✓	✓	✓	✓

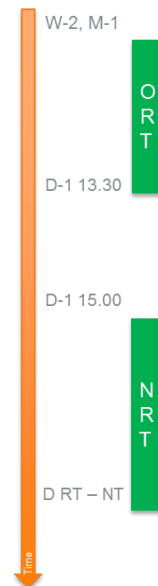
Two types of transfers can be performed using SMART: Obligation Reserve Transfer (ORT) for up to Day-Ahead exchange and Nomination Reserve Transfers (NRT) for Intraday exchange (up to Real Time – Neutralization Time¹).

An obligation or nomination can be exchanged between initiating supplier and counterpart supplier. Note there could be more than one counterpart supplier.

An obligation (ORT) is always exchanged between two suppliers, who both submit the details of their ORT before given timings (gates closures). The system will accept the deal if there is a match between the two. The modalities of the agreement, such as communication or payments between BSPs for the exchange are not included in the application.

A nomination (NRT) is always exchanged between two or more suppliers. Initiating party submits the details and the counterparty can choose to accept or reject the offer. Nomination exchange takes place during the set time frame specified above.

Obligation and Nomination Reserve Transfers that are confirmed in SMART are taken into account for the Availability and activation controls of the concerned reserves for BSPs.



¹ Neutralization time is currently equal to 1 hour

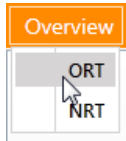
2 The tab Overview

2.1 The subtab ORT

You can view the summary and the details of all introduced ORTs for a specific day.

To open the ORT overview screen:


1. Click in the menu on the tab **Overview** and then on the subtab **ORT**.



2. Select an **Execution Date** to view the ORTs for that day.

Overview ORT X

DAY AHEAD

Execution Date : 2/12/2016 

Refresh

In this screen you can display three levels of detail:

- Bsp
- Obligation Reserve Transfer
- Obligation Reserve Transfer Details


To display those levels, you can:

- Use the **Level** filter field on top of the table and select a level of detail from the drop-down list:

Overview Create Reports

Overview ORT X

DAY AHEAD

Execution Date : 13/09/2016 

Refresh

Last Refresh : 11/11/2017 14:46

Level: Bsp


Reserve Type	Contract Type	Service Type	R3 Type	Counterparty	Matching Status	Validation Status	Total Mwh	Reception Time	Version	Actions
WFC				Rejected			240,0			

Level1: Bsp

Overview Create Reports

Overview ORT X

DAY AHEAD

Execution Date : 13/09/2016 

Refresh

Last Refresh : 11/11/2017 14:53

Level: Obligation Reserve Transfer


Reserve Type	Contract Type	Service Type	R3 Type	Counterparty	Matching Status	Validation Status	Total Mwh	Reception Time	Version	Actions
WFC				Rejected			240,0			
Increase my reserve obligation							528,0			
+	R1	CIPU	Downward	Rejected	WFC	Rejected	240,0	12/09/2016 09:32	1	Copy Modify Versions
+	R1	CIPU	Upward	Rejected	WFC	Rejected	288,0	12/09/2016 09:33	2	Copy Modify Versions
Decrease my reserve obligation							288,0			
+	R1	CIPU	Upward	Rejected	BalanceOK	Confirmed	288,0	12/09/2016 09:35	2	Copy Modify Versions

Level 2: Obligation Reserve Transfer

Overview Create Reports

Overview ORT X

DAY AHEAD

Execution Date : 13/09/2016 

Refresh

Last Refresh : 11/11/2017 15:03

Level: Obligation Reserve Transfer Details

Reserve Type	Contract Type	Service Type	R3 Type	Counterparty	Matching Status	Validation Status	Total Mwh	Reception Time	Version	Actions
WFC				Rejected			240,0			
Increase my reserve obligation							528,0			
R1 CIPU Downward Rejected WFC Rejected 240,0 12/09/2016 09:32 1 Copy Modify Version										
0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11
100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100
100	100	100	100	100	100	100	100	100	100	100
R1 CIPU Upward Rejected WFC Rejected 288,0 12/09/2016 09:33 2 Copy Modify Version										
0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11
120	120	120	120	120	120	120	120	120	120	120
120	120	120	120	120	120	120	120	120	120	120
120	120	120	120	120	120	120	120	120	120	120
120	120	120	120	120	120	120	120	120	120	120
120	120	120	120	120	120	120	120	120	120	120

Level 3: Obligation Reserve Transfer Details

- Click on the **plus/minus symbol** in front of each line to **expand/collapse** the table and view more or less detail:

Overview Create Reports											
Overview ORT X											
DAY AHEAD											
Execution Date : 13/09/2016 Refresh											
Last Refresh : 11/11/2017 15:53											
Level: <input type="text"/>											
	Reserve Type	Contract Type	Service Type	R3 Type	Counterparty	Matching Status	Validation Status	Total Mwh	Reception Time	Version	Actions
WFC Rejected 240,0											
Increase my reserve obligation 528,0											
+	R1	CIPU	Downward	Rejection	WFC	Rejected		240,0	12/09/2016 09:32	1	Copy Modify Versions
-	R1	CIPU	Upward	Rejection	WFC	Rejected		288,0	12/09/2016 09:33	2	Copy Modify Versions
Decrease my reserve obligation 288,0											
+	R1	CIPU	Upward	Rejection	BalanceOK	Confirmed		288,0	12/09/2016 09:35	2	Copy Modify Versions



Tip

Click on any **Balance Error** status in the overview to open a pop-up with the matching details of that ORT.

Balance Error Details				Consistency Status	
Time Interval		Left	Right	Consistency Status	
00:00 > 00:15	11,0	10,0	BalanceError		
00:15 > 00:30	11,0	10,0	BalanceError		
00:30 > 00:45	11,0	10,0	BalanceError		
00:45 > 01:00	11,0	10,0	BalanceError		
01:00 > 01:15	11,0	10,0	BalanceError		
01:15 > 01:30	11,0	10,0	BalanceError		
01:30 > 01:45	11,0	10,0	BalanceError		
01:45 > 02:00	11,0	10,0	BalanceError		
02:00 > 02:15	11,0	10,0	BalanceError		



Tip

From the ORT overview you can copy, modify or cancel ORTs.
Read more: Chapter 3: ORT actions

2.1.1 Decrease vs increase

A BSP may decrease or increase its reserve obligations:

- When an obligation is transferred to another BSP, it is considered an ORT decrease.
- When an obligation is transferred from another BSP, it is considered an ORT increase.

2.1.2 Total energy (MW/h)

The total energy (MW/h) is calculated as the sum of quarter hour values divided by 4 .

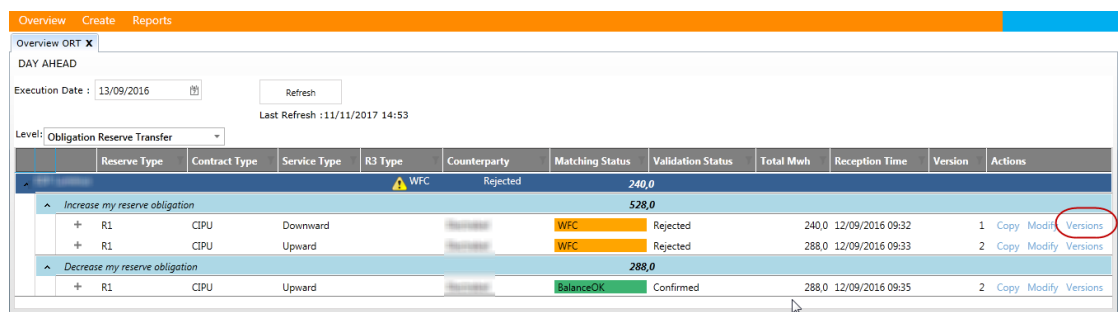
The overview displays:

- The netted total power of all ORTs. This value is signed.
- The total ORT decrease and total ORT increase. This value is not signed.

2.1.3 Versions

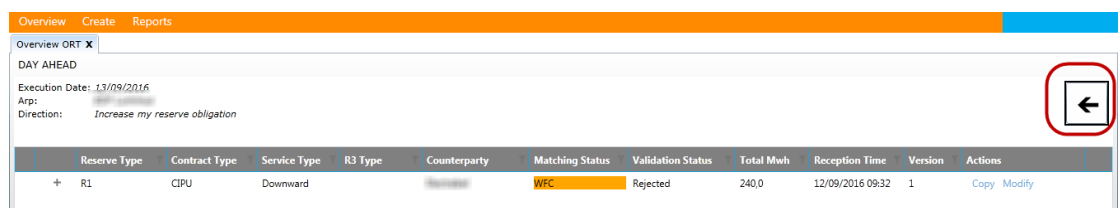
Each time an ORT is modified, a new version is created. This way you can keep track of all modifications.

- Click **Versions** next to an ORT to display all the versions of this ORT:



	Reserve Type	Contract Type	Service Type	R3 Type	Counterparty	Matching Status	Validation Status	Total Mwh	Reception Time	Version	Actions
						WFC	Rejected	240,0			
Increase my reserve obligation								528,0			
+	R1	CIPU	Downward			WFC	Rejected	240,0	12/09/2016 09:32	1	Copy Modify Versions
+	R1	CIPU	Upward			WFC	Rejected	288,0	12/09/2016 09:33	2	Copy Modify Versions
Decrease my reserve obligation								288,0			
+	R1	CIPU	Upward			BalanceOK	Confirmed	288,0	12/09/2016 09:35	2	Copy Modify Versions

- Click the **framed arrow** to return to the Overview screen:



	Reserve Type	Contract Type	Service Type	R3 Type	Counterparty	Matching Status	Validation Status	Total Mwh	Reception Time	Version	Actions
+	R1	CIPU	Downward			WFC	Rejected	240,0	12/09/2016 09:32	1	Copy Modify Versions

2.2 The subtab NRT

You can view the summary and the details of all introduced NRTs for a specific day.

To open the NRT overview screen, click in the menu on the tab **Overview** and then on the subtab **NRT**:



Once you have clicked on it, the **Overview NRT** screen appears:

In the screen above you have to fill in the **filter Criteria** according to the NRTs you want to display:

- Start Date
- End Date
- BSP (already filled in according to your user account)
- Reserve Type (R1, R2 or R3)
- Contract Type (CIPU or Non CIPU for R1 and R3)
- Service Type (Upward or Downward)
- R3 Type (only if you chose R3 as Reserve Type)
- PU



Note

Note the column **Contract Type** when you expand the deal, indicating whether it's a CIPU or Non CIPU Contract:

Type	Service Type	R3 Type
Downward		
Downward		
Contract Type	Unit	
CIPU	MW	

Once filled in, click on the button **Apply Filter** to display the desired NRTs.

In this screen you can display two levels of detail:

- Deal
- Deal Details

- Use the **Level** filter field on top of the table and select a level of detail from the drop-down list:

Level 1: Deal

Level 2: Deal Details

- [illegible]

The user is only able to **accept** or **reject** on behalf of the counterparty. You also have the possibility to **cancel** in case you are the initiating party. Details regarding the status flow can be found in chapter 6.2 NRT.



Note

- If BSP 1 wants to transfer 20MW to BSP 2, BSP 2 must first take over 20MW in the first deal and in the second deal (to himself) he can transfer the desired volume from one type of unit to another type of unit.
- **BSP1 wants to transfer 20MW to BSP2 where BSP2 wants to take over 12MW in CIPU and 8MW in non CIPU: BSP2 must first take over 20MW in Cipu/non Cipu and afterwards transfer between CIPU and non CIPU.**



8

Click on the button **Copy** to copy the data of the NRT you created (e.g. in case of error), so you can quickly fill in a new deal:

Level : Deal Details																			
	Execution Date	Reception Time	Reserve Type	Contract Type	Service Type	R3 Type	Status				Actions								
+	14/07/2017	14/07/2017 09:45	R1	CIPU	Downward		Accepted By Elia				Copy								
-	06/10/2016	06/10/2016 16:09	R1	CIPU	Downward		Received				Copy								
BSP		PU		Contract Type		Unit	00:00	00:15	00:30	00:45	01:00	01:15	01:30	01:45	02:00	02:15	02:30	02:45	03:00
CIPU		CIPU		CIPU		MW	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
CIPU		CIPU		CIPU		MW	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

Once you click on **Copy**, a new window **Create NRT** opens where you can create a new NRT with the same details as the selected NRT.



Note

Note that the so-called error is also copied.

3 ORT actions

Introducing or modifying ORTs is not always possible since you are bound by the gate closures.

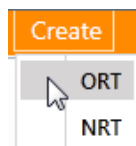
Read more: Chapter 5: Smart gates

3.1 Create ORT

In the ORT input screen you can create a new ORT.

To do so,

1. Click in the menu on the tab **Create** and then on the subtab **ORT**.



2. Fill in the specifications of the ORT:

A screenshot of the 'Create ORT' form. At the top, there's a title bar 'Create ORT X'. Below it, the section 'DAY AHEAD' is visible. The form includes fields for 'BSP' (with a dropdown), 'Start Date' (14/11/2017), 'End Date' (14/11/2017), 'Reserve Type' (R2), 'Service Type' (empty), 'Contract Type' (CIPU), 'Direction' (radio buttons for 'Increase' and 'Decrease my reserve obligation'), and 'CounterParty' (empty). There are buttons for 'Fill Right', 'Fill Down', and 'Clear'. Below these is a large calendar grid with columns for days (0-1 to 11-12) and rows for time slots (00-15, 15-30, 30-45, 45-60). The grid is currently empty. At the bottom right, it says 'Total MWh: 0,0'. At the bottom left, it says '(Decimal symbol = ',')'. At the very bottom, there are 'Submit' and 'Cancel' buttons.

- Select the **Start Date**
- Select the **End Date**



Tip:

The field **End Date** allows you to create an ORT for one or several days. When you'll check in the Overview ORT, you will see the created ORTs per day

- Choose the **Reserve Type**, which is R1, R2 or R3
- Choose the **Service Type**, which is different depending of the Reserve type
 - for R1:Upward, Downward,Symmetric100 and Symetric200

- For R2: Upward, Downward
 - For R3: Upward Choose the **R3 type** (in case you chose a R3 Reserve Type), which is Standard or Flex
 - Choose the **Contract Type**, which is CIPU or Non CIPU (in case you chose R1 or R3 as Reserve Type)
 - Choose the **Direction**, which is 'Increase or Decrease my reserve obligation'
 - Select the **Counterparty** in the drop-down
3. Fill in the **power values** for each quarter hour of the day
 4. Click **Submit** to introduce the ORT. You are directed to the ORT overview screen, which is refreshed with the newly created ORT.



Tip:

- Click **Fill Right** to copy the values you entered to the empty cells further in the rows

Example (entered values in black, filled right values in red)

	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12
00-15					15	15	15	15	12	12	12	12
15-30		10	10	10	10	10	10	10	7	7	7	7
30-45												
45-60												

	12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24
00-15	12	12	12	18	18	18	18	18	18	18	18	18
15-30	7	7	7	7	7	7	7	7	20	20	20	20
30-45												
45-60												

- Click **Fill Down** to copy the values you entered to the empty cells further in the columns

Example (entered values in black, filled right values in red, filled down values in green)

	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12
00-15					15	15	15	15	12	12	12	12
15-30		10	10	10	10	10	10	10	7	7	7	7
30-45		10	10	10	10	10	10	10	7	7	7	7
45-60		10	10	10	10	10	10	10	7	7	7	7

	12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24
00-15	12	12	12	18	18	18	18	18	18	18	18	18
15-30	7	7	7	7	7	7	7	7	20	20	20	20
30-45	7	7	7	7	7	7	7	7	20	20	20	20
45-60	7	7	7	7	7	7	7	7	20	20	20	20

- Click **Clear** to remove all entered values



Tip

- To quickly create an ORT, in the ORT overview click Copy next to an ORT. This way you copy its data to the ORT input screen. There you modify any specification or value to create a new ORT.
- You have to fill in a value for each quarter hour of the day. If the ORT only concerns a part of the day, you fill in zeros for the part that is not concerned.

3.2 Modify ORT

In the ORT overview click **Modify** to create a new version of an ORT and change the power values:

Overview

Create

Reports

Overview ORT

DAY AHEAD

Execution Date : 13/09/2016

Refresh

Last Refresh : 5/12/2016 15:21

Level:

		Reserve Type	Service Type	R3 Type	Counterparty	Matching Status	Validation Status	Total Mwh	Reception Time	Version	Actions
WFC					Rejected		240,0				
Increase my reserve obligation							528,0				
+	R1	Downward			WFC	Rejected	240,0	12/09/2016 09:32	1	Copy	Modify Versions
+	R1	Upward			WFC	Rejected	288,0	12/09/2016 09:33	2	Copy	Modify Versions
Decrease my reserve obligation							288,0				
+	R1	Upward			BalanceOK	Confirmed	288,0	12/09/2016 09:35	2	Copy	Modify Versions



Note

When you modify an ORT and click on **Submit**, you automatically create a new version.

3.3 Cancel ORT

Introduced ORTs cannot be deleted. To cancel it, you have to modify it and fill in zeros for every quarter hour of the ORT and then click on **Submit**.

	0 - 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 6	6 - 7	7 - 8	8 - 9	9 - 10	10 - 11	11 - 12
00-15	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
15-30	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
30-45	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
45-60	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
	12 - 13	13 - 14	14 - 15	15 - 16	16 - 17	17 - 18	18 - 19	19 - 20	20 - 21	21 - 22	22 - 23	23 - 24
00-15	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
15-30	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
30-45	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
45-60	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

(Decimal symbol = ',')

Submit

Cancel

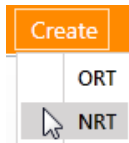
4 NRT actions

4.1 Create NRT

In the NRT input screen you can create a new NRT.

To do so,

1. Click in the menu on the tab **Create** and then on the subtab **NRT**.



2. Fill in the specifications of the **NRT** (note that all fields indicated in red are **mandatory**):

A screenshot of the 'Create NRT' form. At the top are tabs: 'Overview' (orange), 'Create' (orange), and 'Reports' (blue). Below is a subtab 'Create NRT X'. The form is titled 'INTRADAY'. It has a date field '14/11/2017' with a calendar icon, a 'BSP : ' field with a dropdown, and an 'Apply Filter' button. Below these is a section 'Create NRT' containing five dropdown menus: 'Reserve Type :', 'Contract Type :', 'Service Type :', 'R3 Type :', and 'PU :'. The dropdown menus for 'Reserve Type', 'Contract Type', 'Service Type', 'R3 Type', and 'PU' are all highlighted with red borders, indicating they are mandatory. At the bottom of the form is the text 'Enter criteria and click on "Apply Filter" button' and two buttons: 'Submit' and 'Cancel'.

- Choose the **Reserve Type**, which is R1, R2 or R3
- Choose the **Contract Type**, which is CIPU or Non CIPU (in case you chose R1 or R3 as Reserve Type)
- Choose the **Service Type**, which is
 - for R1: Upward, Downward, Symmetric100 and Symetric200
 - For R2: Upward, Downward
 - For R3: Upward
- Choose the **R3 type** (in case you chose a R3 Reserve Type), which is Standard or Flex
- Select the **PU** of your choice



Note

Only the Reserve Type, Service Type, R3 Type and PU for which the selected BSP has a valid contract are selectable.

3. Click on **Apply Filter**.

Once you have clicked on **Apply Filter**, the following information appears:

- **Nominated volume:** These are the day ahead nominations (CIPU) received by Elia from the BSP and obligations (non CIPU)
- **Transferable volume:** This takes into account the NRTs that have already been logged.



Note

All submitted NRTs for which the selected PU is the initiating party will be included in the transferable volume. This will result in a decrease of the transferable volume.



Note

Only R3Std and R3Flex NRTs that have been accepted by Elia and for which the selected PU is the counterparty will be included in the transferable volume. This will result in an increase of the transferable volume.

4. Click on **Add Counterparty** (see image above).



Note

You can add as many counterparties as necessary.

5. Select in the drop-down the **counterparty** of your choice:



Note

For R1 and R3 the user can select **itself** as counterparty (not available for R2) to transfer energy from CIPU to non CIPU .

6. Fill in the power values for each quarter hour of the day:

	00:00	00:15	00:30	00:45	01:00	01:15	01:30	01:45	02:00	02:15	02:30	02:45	03:00	03:15	03:30	03:45	04:00	04:15	04:30	04:45	05:00	05:15
Nominated Volume	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0
Transferable Volume	0,0	0,0	0,0	1,0	1,0	8,0	6,0	5,0	1,0	0,0	2,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0	11,0
Residual	11,0	11,0	11,0	10,0	10,0	3,0	5,0	6,0	10,0	11,0	9,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

(Decimal symbol = ',')

Fill Right

Clear

Add Counterparty

Export

Import

Reset

Submit

Cancel



Note

Creating and accepting a deal is **not possible** within the **neutralization time**.



Tip

- Click **Fill Right** to copy the values you entered to the empty cells further in the rows.
- Click **Clear** to delete all the values you just entered.
- Click on **Reset** to discard all the modifications.
- Click on **Export** to export the data of the screen to an Excel file. This allows easy copy/paste of data into the screen instead of copying each value individually (risk of error). Before exporting to Excel, you should add the counterparties to which you want to transfer your nominations.
- Click on **Import** after filling the data to import the Excel sheet you have exported before. Note that only the data in the orange zone will be imported in the screen:

Date:	13/11/2017
BSP:	TEST BSP
Reserve type:	R1
Contract type:	CIPU
Service type:	Symmetric100
R3 Type:	
PU:	TEST PU

	00:00	00:15	00:30	00:45	01:00	01:15	01:30	01:45	02:00	02:15	02:30	02:45
NominatedVolume	11	11	11	11	11	11	11	11	11	11	11	1
TransferableVolume	11	11	11	11	11	11	11	11	11	11	11	1
TEST BSP 2												
TEST BSP 3												

Please note only the fields indicated in orange will be imported.

7. Click on **Submit** to send the deal to the counterparty.



Note

Please take the **red zones** into account while selecting the units that will take over the nominations, otherwise you won't be able to update your nominations accordingly in BMAP.

4.2 Modify NRT

It is not possible to modify a NRT; you can only accept or reject a NRT.



Note

This option is only available for the **counterparty**.

4.3 Cancel NRT

To cancel a NRT, open the NRT Overview subtab and click on **Cancel** in the column **Actions**:

The screenshot shows the 'Overview NRT' subtab with a filter criteria panel on the left and a table of NRTs. The table has columns: Execution Date, Reception Time, Reserve Type, Service Type, R3 Type, Status, and Actions. A single row is visible with the following data: Execution Date: 05/12/2016, Reception Time: 05/12/2016 17:57, Reserve Type: R1, Service Type: Downward, R3 Type: (blank), Status: Received. In the Actions column, there is a 'Cancel' button highlighted with a red box.

Execution Date	Reception Time	Reserve Type	Service Type	R3 Type	Status	Actions
05/12/2016	05/12/2016 17:57	R1	Downward		Received	Cancel



Note

This option is only available for the **initiating party**.

5 SMART gates

5.1 ORT

ORTs have to be introduced before given timings, called gates.

- the first gate closes at 1.30 pm the day before the Real time (D-1)
- the second gate closes at 2.00 pm the day before the Real time (D-1)

You receive an email after the closure of the first and after the closure of the second gate.

When to introduce or modify ORT

- Before the first gate closes: you can introduce new ORTs and modify or cancel already introduced ORTs.
- Between the first gate closure and the second gate closure: you can only introduce new ORTs that are to balance already introduced ORTs. You can also modify or cancel ORTs that have not yet the Balance OK status.
- After the second gate closes: you cannot introduce or modify any ORTs.

Change of gate hours

In exceptional cases Elia can modify the gate hours to allow delayed introductions of ORTs. Since you receive an email after the closure of each gate, you will be informed of such changes.

5.2 NRT

NRTs for day D can be introduced **after** 16h00 on D-1 till 1h before the Real time .

6 Status flow

6.1 ORT

ORTs are evaluated on 2 levels, i.e. whether they match with a counterpart ORT and whether they are validated by Elia.




6.1.1 Matching status

Each time a new ORT is submitted, SMART checks if the ORT matches with its counterpart ORT(s), and the matching statuses of the ORTs are updated.

Two or more ORTs are matching if they are each other's counterpart and if the sum of all power values is equal for both BSP. ORTs are counterpart of each other if:

- The BSP name of the one corresponds with the BSP counterpart of the other, and vice-versa.
- The date, reserve type, contract type and service type are the same in both ORTs
- The directions are opposite (the one increases and the other one decreases its obligation)

There are 3 possible matching statuses:

-  **Waiting for Counterpart (WFC):** The ORT does not have a counterpart yet
-  **Balance OK:** There is a counterpart ORT(s), which matches for the entire day
-  **Balance Error:** There is a counterpart ORT(s), but the power values do not match for the entire day

6.1.2 Validation status

Every ORT follows a validation cycle, based on the closure of the gates. There are 3 possible validation statuses:

- **Accepted:** The ORT is successfully received. ORTs with the Accepted status can still be modified or cancelled.
- **Confirmed:** The ORT has the Balance OK status at the closure of the 1st or 2nd gate and is agreed upon by Elia. ORTs with the Confirmed status cannot be modified or cancelled.
- **Rejected:** The ORT has a status different from Balance OK at the closure of the 2nd gate and is cancelled by Elia.

There also is a validation status per day.

- If there is no ORT for a specific day, the validation status is empty.
- the status for the day and the BSP is the lowest status among the underlying ORTs (Rejected being the lowest, followed by Accepted, and Confirmed being the highest)



Note

When the first gate is reopened, all ORTs receive status Accepted.

When the second gate is reopened, ORTs with status Rejected receive status Accepted. ORTs with status Confirmed maintain this status.

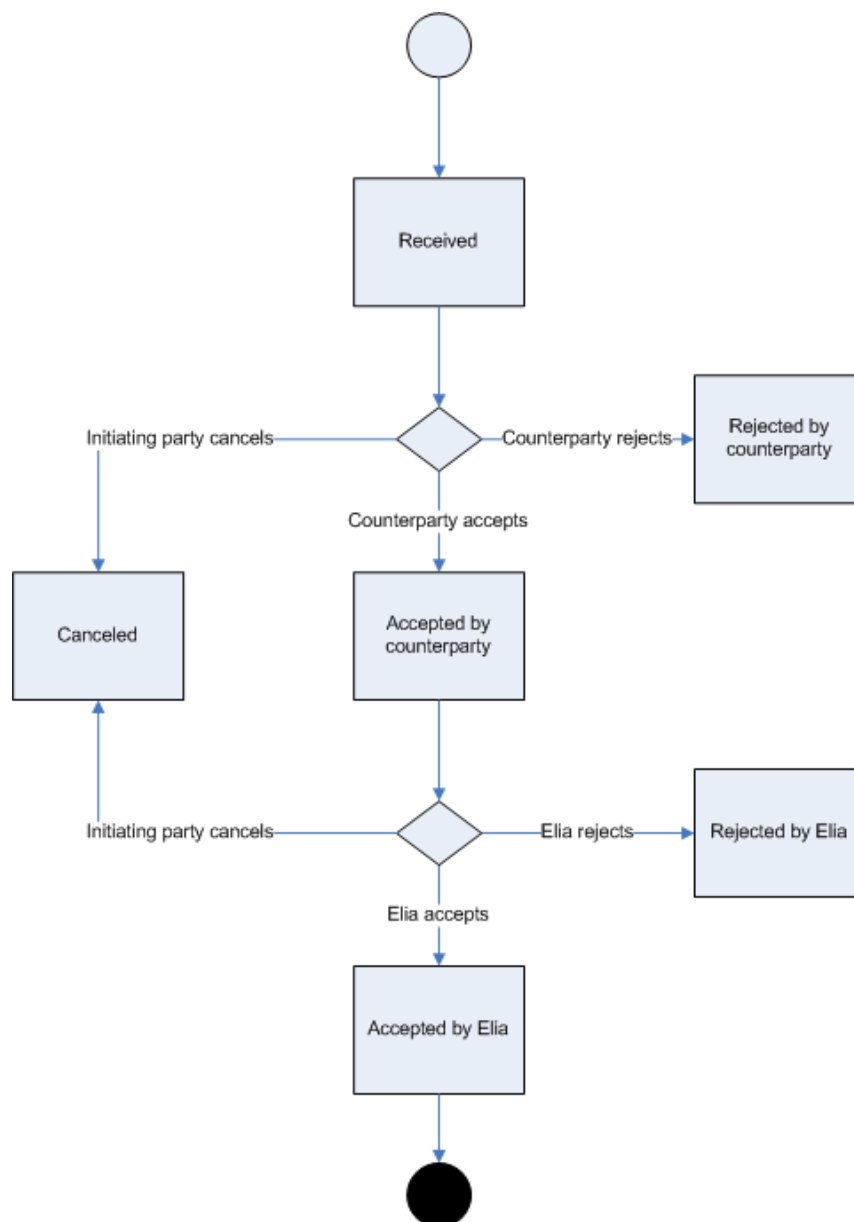
6.2 NRT

Below you can find an overview of the different statuses a NRT can obtain linked with the actions that can be performed by the different parties.



Note

When the user wants to accept a R3 NRT on behalf of counterparty with contract type 'CIPU', he must select a PU before he's able to accept the deal (for R3 only).

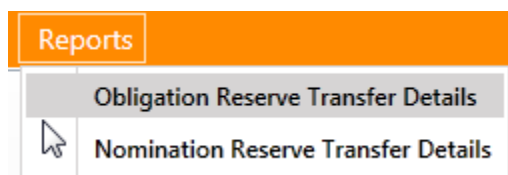


7 Create a Report

In the report screen you can export a list of ORTs or NRTs to an excel file.

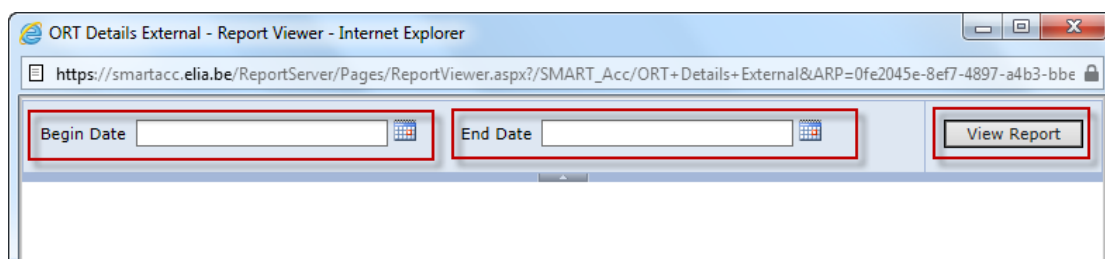
To do so,

1. Click on **Reports**.
2. Select the **Report** of your choice:

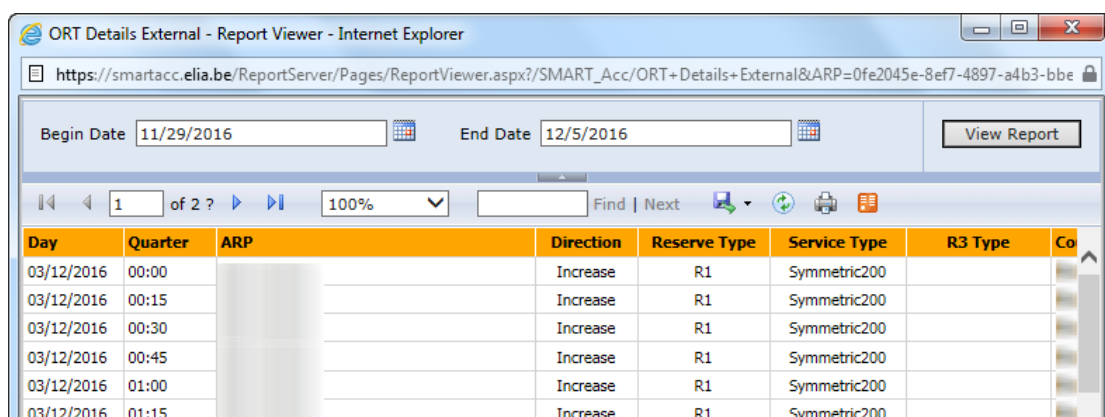


Once you have chosen a Report, a new window appears (see image below).

3. Select a **Begin Date** and an **End Date**.
4. Click on **View Report** to view the last version of all ORTs/NRTs in that period:



The ORT/NRT details are displayed per quarter hour:



Day	Quarter	ARP	Direction	Reserve Type	Service Type	R3 Type	Co
03/12/2016	00:00		Increase	R1	Symmetric200		
03/12/2016	00:15		Increase	R1	Symmetric200		
03/12/2016	00:30		Increase	R1	Symmetric200		
03/12/2016	00:45		Increase	R1	Symmetric200		
03/12/2016	01:00		Increase	R1	Symmetric200		
03/12/2016	01:15		Increase	R1	Symmetric200		



Tip

- You can export the data to several outputs such as xls, pdf, Word, and so on
- You can also refresh the data in the dashboard and/or print the dashboard

