

# SAPRI Trade

User Guide

V.4 April 2014

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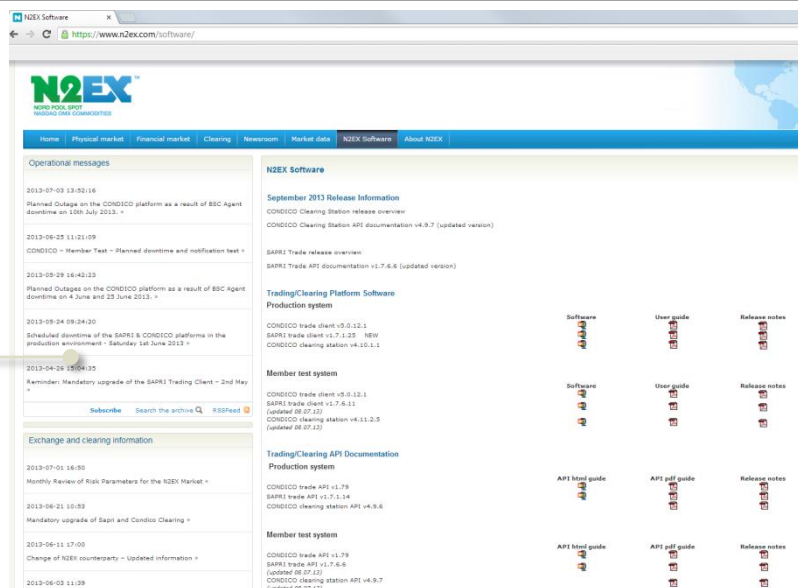
# Software

Sapri can be accessed in the following two ways:

## Option 1.

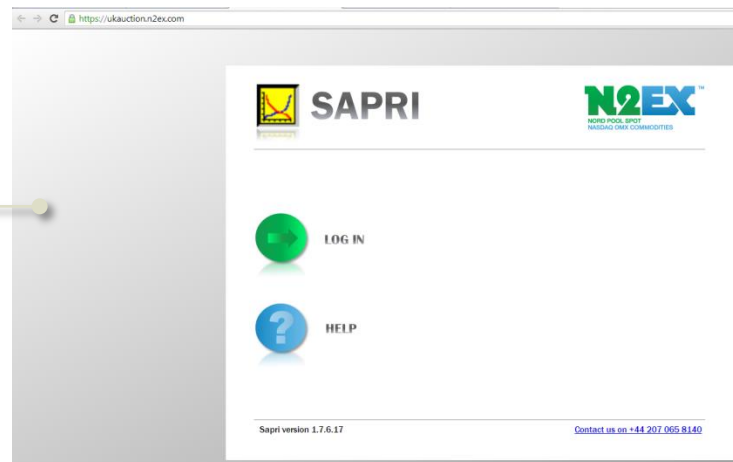
Install the Sapri Trade client on your local computer.

Software can be downloaded from here:  
[www.n2ex.com/software](https://www.n2ex.com/software)

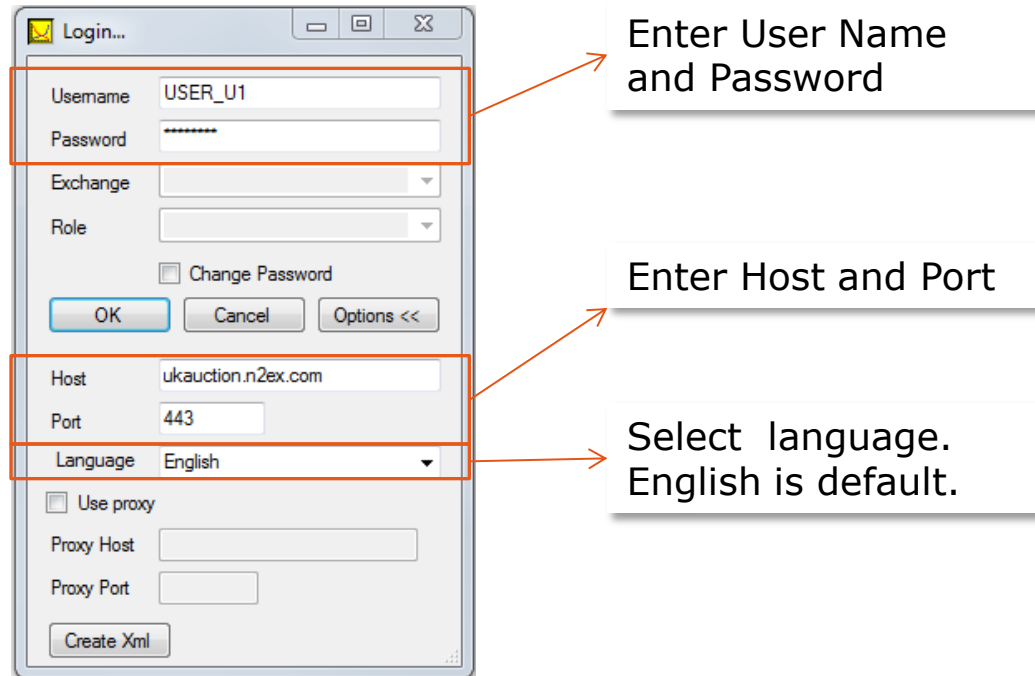


## Option 2.

Log in via the Click Once application:  
<https://ukauction.n2ex.com>



# Log in



The screenshot shows a 'Login...' dialog box with the following fields and controls:

- Username:** USER\_U1
- Password:** [Redacted]
- Exchange:** [Dropdown]
- Role:** [Dropdown]
- Change Password
- Buttons:** OK, Cancel, Options <<
- Host:** ukauction.n2ex.com
- Port:** 443
- Language:** English
- Use proxy
- Proxy Host:** [Text Box]
- Proxy Port:** [Text Box]
- Buttons:** Create Xml

Annotations with arrows point to the following areas:

- Enter User Name and Password:** Points to the Username and Password fields.
- Enter Host and Port:** Points to the Host and Port fields.
- Select language. English is default.** Points to the Language dropdown menu.

# Parameters

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- Volume tick: 0.1 MW
- Price tick: GBP 0.01/MWh
  
- Single Hourly Order limits
  - The number of price steps for the single hourly order is 200 including the upper and lower price limits.
  - Lower technical price limit: £ -500
  - Upper technical price limit: £ 3000
  
- Maximum amount of Block Orders per portfolio: 80
- Maximum amount of Flexi Orders per portfolio: 3
- Maximum amount of Group Block Orders per portfolio: 3
  - Maximum amount of block orders per Group: 15

# Overview

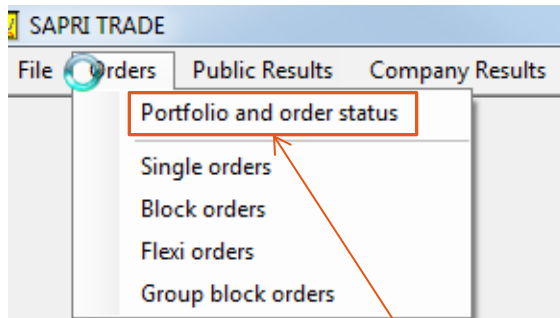
The screenshot displays the SAPRI TRADE application interface with several windows open, each highlighted with a green circle and a number:

- 1. Portfolio and Order Status:** A window showing a summary of orders for portfolio N1\_PA1 in area EN, with 1/1 single orders and 2/80 block orders.
- 2. Single Order:** A window showing a detailed view of a single order for portfolio N1\_PA1, including a table of order status over time.
- 3. Block Order:** A window showing a list of block orders for portfolio N1\_PA1, including order reference, user reference, block period, and price.
- 4. Flexi Order:** A window showing a list of flexi orders for portfolio N1\_PA1, including order reference, user reference, and time periods.
- 5. Group Block Order:** A window showing a list of group block orders for portfolio N1\_PA1, including order reference, user reference, block period, and price.
- 6. Trading Results:** A window showing trading results for participant N1 in area EN, including a table of order status over time.
- 7. Block Order Results:** A window showing block order results for participant N1 in area EN, including a table of order status over time.
- 8. Log:** A window showing a log of system messages, including single orders saved and flexi orders saved.

Within the main window you can access:

1. Portfolio and Bid Status
2. Single Orders
3. Block orders
4. Flexi Orders
5. Group Block Orders
6. Trading Results
7. Block Order Results
8. Log

# 1. Portfolio and Order Status



Displays all portfolios accessible by the current user.

Delivery date

Shows:  
Number of orders submitted /  
maximum number of orders allowed

Portfolio and Order Status

Date: 14.03.2014

Portfolio	Area	Single orders	Block orders	Flexi orders	Group block orders
AAA_PA1	EN	0/1	0/80	0/80	0/10

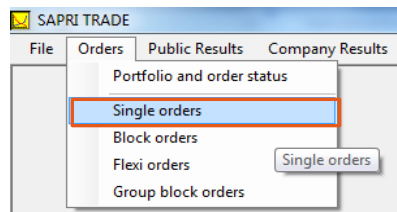
14.03.2014

AAA\_U1 | DAM TRADER | 15:27:05

View status for

- Single Orders
- Block Orders
- Flexi Orders
- Group Block Orders

# Single Order



To submit your orders press the save button!

Price range: minimum and maximum

- Create new Single orders
- Modify existing Single orders
- Cancel Single orders
- Buy orders are displayed in **black**
- Sell orders are negative and displayed in **red**

Price row:  
Fill in the price range for buying and/or selling

Volume cells: Fill in order volumes

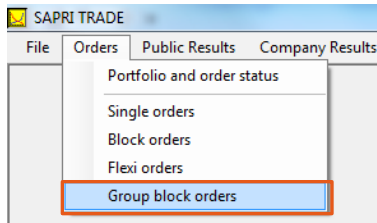
Single Order  
Date: 14.03.2014 Area: EN  
Portfolio: AAA\_PA1 GBP. -500.00 - 3 000.00 Market day closing: Thu, 13 Mar 2014 09:30:00

Period	GMT/BST	1	2	3	4	5	6	7	8
01	23:00-00:00	-500.00	50.00	50.10	59.90	60.00	3 000.00		
02	00:00-01:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
03	01:00-02:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
04	02:00-03:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
05	03:00-04:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
06	04:00-05:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
07	05:00-06:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
08	06:00-07:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
09	07:00-08:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
10	08:00-09:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
11	09:00-10:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
12	10:00-11:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
13	11:00-12:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
14	12:00-13:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
15	13:00-14:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
16	14:00-15:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
17	15:00-16:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
18	16:00-17:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
19	17:00-18:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
20	18:00-19:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
21	19:00-20:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
22	20:00-21:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
23	21:00-22:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
24	22:00-23:00	10,0	10,0	0,0	0,0	-20,0	-20,0		
Sum		240,0	240,0	0,0	0,0	-480,0	-480,0		

AAA\_PA1 14.03.2014  
No single orders.  
AAA\_U1 | DAM TRADER | 15:42:46



# Block Order



To submit your orders, press the save button!

To delete block orders, select the blocks and click the delete button.

Link block orders

Orderref	User ref	Block Period	GMT/BST	Price	Volume	Min accept MW	Min accept %	Linked To	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
W0311016	Test buy 1	B0108 (Overnight)	23:00-07:00	46,00	100,0	100,0	100,0		100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0																
W0311017	Test sell 2	B0124	23:00-23:00	52,50	-150,0	150,0	100,0		-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	-150,0	
W0311018	Profiled 1	B0920	07:00-19:00	65,30	50,0	10,0	20,0										50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0		
W0311019	Curtailed	B0924	07:00-23:00	45,50			20,0										20,0	30,0	40,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	40,0	30,0	20,0	
W0311020	Link	B2124 (Block-6)	19:00-23:00	54,00	10,0	10,0	100,0	W0311016-Test buy 1																								

Choose block period

Choose price

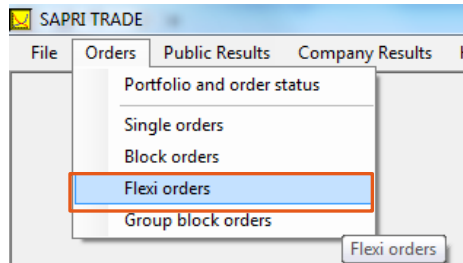
Choose block volume. Offer volumes are negative and displayed in red. If the block is profiled, this cell will be empty.

Select minimum acceptance ratio, either in percentage or Megawatt.

If the block is profiled, the MW cell will be empty.

These columns display the hourly volumes. It is possible to amend a block by entering new values in these hourly cells. This makes it possible to create PROFILE BLOCKS.

# Flexi Orders



To submit your orders, press the save button!

Create, modify or cancel Flexi Bids

Order ref	User ref	Interval	From hour	To hour	Price	Volume	Saved by
W0313005	flexi 1	4	01	24	89,00	10,0	
W0313006	flexi 2	6	01	18	22,00	-10,0	

Add any preferred User ref.

Enter number of consecutive hours, from 1 to 23

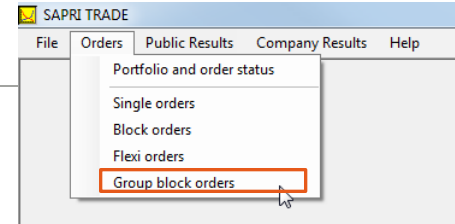
Choose which hours the block will be tried in

Choose price and volume

# Group Block Orders

To submit your orders, press the save button

Add group ID



Date: 24.03.2014 Area: EN Portfolio: N1\_PA1 GBP: -500.00 - 3 000.00 Market day closing: Sun, 23 Mar 2014 10:30:00

Order ref	User ref	Block Period	GMT/BST	Price	Volume	Min accept MW	Min accept %	Group	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Saved by
W0321028	b1	B0108 (Overnight)	23:00-07:00	55,00	10,0	10,0	100,0	group1	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0																	
W0321029	b2	B0208	00:00-07:00	55,00	10,0	10,0	100,0	group1		10,0	10,0	10,0	10,0	10,0	10,0	10,0																	
W0321030	b3	B0308	01:00-07:00	55,00	10,0	10,0	100,0	group1			10,0	10,0	10,0	10,0	10,0	10,0																	
W0321031	b4	B0408	02:00-07:00	55,00	10,0	10,0	100,0	group1				10,0	10,0	10,0	10,0	10,0																	
W0321032	b5	B0508	03:00-07:00	55,00	10,0	10,0	100,0	group1					10,0	10,0	10,0	10,0																	
									10,0	20,0	30,0	40,0	50,0	50,0	50,0	50,0																	

After the orders have been submitted, a new empty group will appear below

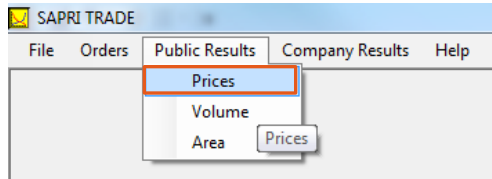
Add or amend the blocks by entering new values in these hourly cells. Possible to create Profile Blocks.

Date: 24.03.2014 Area: EN Portfolio: N1\_PA1 GBP: -500.00 - 3 000.00 Market day closing: Sun, 23 Mar 2014 10:30:00

Order ref	User ref	Block Period	GMT/BST	Price	Volume	Min accept MW	Min accept %	Group	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Saved by
W0321028	b1	B0108 (Overnight)	23:00-07:00	55,00	10,0	10,0	100,0	group1	10,0	10,0	10,0	10,0	10,0	10,0	10,0	10,0																N1_TU1	
W0321029	b2	B0208	00:00-07:00	55,00	10,0	10,0	100,0	group1		10,0	10,0	10,0	10,0	10,0	10,0	10,0																	N1_TU1
W0321030	b3	B0308	01:00-07:00	55,00	10,0	10,0	100,0	group1			10,0	10,0	10,0	10,0	10,0	10,0																	N1_TU1
W0321031	b4	B0408	02:00-07:00	55,00	10,0	10,0	100,0	group1				10,0	10,0	10,0	10,0	10,0																	N1_TU1
W0321032	b5	B0508	03:00-07:00	55,00	10,0	10,0	100,0	group1					10,0	10,0	10,0	10,0																	N1_TU1
									10,0	20,0	30,0	40,0	50,0	50,0	50,0																		



# Public Results, Prices



The price window displays the hourly prices for the chosen date

Result - Prices  
Date: 24/07/2013 Currency: GBP 1.0000 System currency Tue, 23 Jul 2013 16:15:21

	GMT/BST	EN (GBP/MWh)
01	23:00-00:00	36.86
02	00:00-01:00	36.86
03	01:00-02:00	36.86
04	02:00-03:00	36.32
05	03:00-04:00	36.22
06	04:00-05:00	36.13
07	05:00-06:00	36.23
08	06:00-07:00	41.02
09	07:00-08:00	65.61
10	08:00-09:00	65.12
11	09:00-10:00	64.72
12	10:00-11:00	62.72
13	11:00-12:00	69.29
14	12:00-13:00	60.92
15	13:00-14:00	55.42
16	14:00-15:00	50.91
17	15:00-16:00	47.01
18	16:00-17:00	59.32
19	17:00-18:00	81.22
20	18:00-19:00	69.94
21	19:00-20:00	100.02
22	20:00-21:00	60.23
23	21:00-22:00	52.13
24	22:00-23:00	44.63
Min		36.13
Max		100.02
Avg		54.40

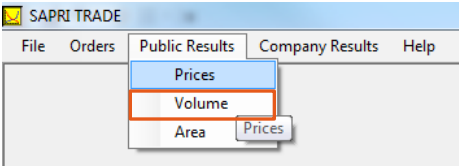
Chose Date

Prices in GBP

Period

N2A2\_TU1 | DAM TRADER | 12:58:24

# Public Results, Volumes



The volume window displays the hourly volumes for the chosen date

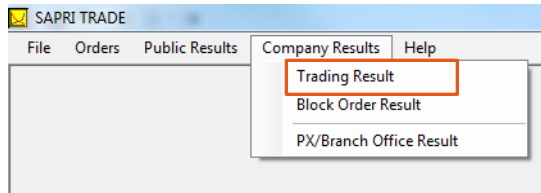
Chose Date

Period

Total Volumes

	GMT/BST	EN Buy (MWh)	Sell (MWh)	Net (MWh)
01	23:00-00:00	15,700.0	15,700.0	0.0
02	00:00-01:00	14,900.0	14,900.0	0.0
03	01:00-02:00	15,000.0	15,000.0	0.0
04	02:00-03:00	13,700.0	13,700.0	0.0
05	03:00-04:00	11,600.0	11,600.0	0.0
06	04:00-05:00	9,800.0	9,800.0	0.0
07	05:00-06:00	11,500.0	11,500.0	0.0
08	06:00-07:00	18,210.0	18,210.0	0.0
09	07:00-08:00	20,210.0	20,210.0	0.0
10	08:00-09:00	19,210.0	19,210.0	0.0
11	09:00-10:00	19,210.0	19,210.0	0.0
12	10:00-11:00	19,210.0	19,210.0	0.0
13	11:00-12:00	19,210.0	19,210.0	0.0
14	12:00-13:00	19,210.0	19,210.0	0.0
15	13:00-14:00	19,910.0	19,910.0	0.0
16	14:00-15:00	20,610.0	20,610.0	0.0
17	15:00-16:00	20,610.0	20,610.0	0.0
18	16:00-17:00	21,210.0	21,210.0	0.0
19	17:00-18:00	19,210.0	19,210.0	0.0
20	18:00-19:00	23,700.0	23,700.0	0.0
21	19:00-20:00	23,990.0	23,990.0	0.0
22	20:00-21:00	19,210.0	19,210.0	0.0
23	21:00-22:00	19,210.0	19,210.0	0.0
24	22:00-23:00	19,500.0	19,500.0	0.0
Min		9,800.0	9,800.0	0.0
Max		23,990.0	23,990.0	0.0
Sum		433,830.0	433,830.0	0.0

# Trading Results



Select Date

Company Results

Portfolio Results

View results by:

- Participant
- or
- Portfolio

Trading Results

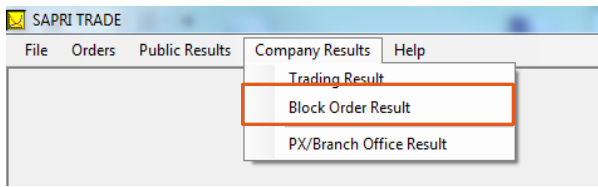
Participant: N2A2 Area: EN Currency: GBP 1.0000 System currency

	GMT/BST	EN - Price (GBP/MWh)	EN - Turnover (Buy) (MWh)	EN - Turnover (Sell) (MWh)	N2A2 - Total (MWh)	Single (MWh)	Block (MWh)	N2A2_PA2 - Total (MWh)	Single (MWh)	Block (MWh)
01	23:00-00:00	36.86	15,700.0	15,700.0	-15,700.0	-15,700.0		-15,700.0	-15,700.0	
02	00:00-01:00	36.86	14,900.0	14,900.0	-14,900.0	-14,900.0		-14,900.0	-14,900.0	
03	01:00-02:00	36.86	15,000.0	15,000.0	-15,000.0	-15,000.0		-15,000.0	-15,000.0	
04	02:00-03:00	36.32	13,700.0	13,700.0	-13,700.0	-13,700.0		-13,700.0	-13,700.0	
05	03:00-04:00	36.22	11,600.0	11,600.0	-11,600.0	-11,600.0		-11,600.0	-11,600.0	
06	04:00-05:00	36.13	9,800.0	9,800.0	-9,800.0	-9,800.0		-9,800.0	-9,800.0	
07	05:00-06:00	36.23	11,500.0	11,500.0	-11,500.0	-11,500.0		-11,500.0	-11,500.0	
08	06:00-07:00	41.02	18,210.0	18,210.0	-18,210.0	-18,210.0		-18,210.0	-18,210.0	
09	07:00-08:00	65.61	20,210.0	20,210.0	-20,210.0	-20,210.0		-20,210.0	-20,210.0	
10	08:00-09:00	65.12	19,210.0	19,210.0	-19,210.0	-19,210.0		-19,210.0	-19,210.0	
11	09:00-10:00	64.72	19,210.0	19,210.0	-19,210.0	-19,210.0		-19,210.0	-19,210.0	
12	10:00-11:00	62.72	19,210.0	19,210.0	-19,210.0	-19,210.0		-19,210.0	-19,210.0	
13	11:00-12:00	69.29	19,210.0	19,210.0	-19,210.0	-19,210.0		-19,210.0	-19,210.0	
14	12:00-13:00	60.92	19,210.0	19,210.0	-19,210.0	-19,210.0		-19,210.0	-19,210.0	
15	13:00-14:00	55.42	19,910.0	19,910.0	-19,910.0	-19,910.0		-19,910.0	-19,910.0	
16	14:00-15:00	50.91	20,610.0	20,610.0	-20,610.0	-20,610.0		-20,610.0	-20,610.0	
17	15:00-16:00	47.01	20,610.0	20,610.0	-20,610.0	-20,610.0		-20,610.0	-20,610.0	
18	16:00-17:00	59.32	21,210.0	21,210.0	-21,210.0	-21,210.0		-21,210.0	-21,210.0	
19	17:00-18:00	81.22	19,210.0	19,210.0	-19,210.0	-19,210.0		-19,210.0	-19,210.0	
20	18:00-19:00	69.94	23,700.0	23,700.0	-23,700.0	-23,700.0		-23,700.0	-23,700.0	

N2A2\_TU2 DAM TRADER 13:50:48

Total Market Results

# Block Order Results



White rows indicates that the block has been accepted

VWAP gives you the weighted average price of a profile block

Hourly columns display the schedule

Participant: N1 Date: 21.03.2014 Area: EN Currency: Thu, 20 Mar 2014 17:00

Block	Portfolio	Reference	Order price (GBP/MWh)	VWAP	Block price (GBP/MWh)	Order volume (MWh)	Group	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
B0920	N1_PA1	W0320004-ht	45,00	73,53	73,53	45,0	Profile									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	0,0	0,0	
B0920	N1_PA1	W0320005-44	45,00	73,23	73,53	Profile										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	0,0	0,0	
B0924	N1_PA1	W0320008-bb	10,00	69,33	69,33	200,0	Profile									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	0,0	0,0	
B1720	N1_PA1	W0320010-cc	90,00	81,86	81,86	-200,0	Profile									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	0,0	0,0	
B0920	N1_PA1	W0320011-dd	90,00	73,15	73,53	Profile										10,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	
B0920	N1_PA1	W0320012-oo	50,00	73,53	73,53	100,0	Profile									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	0,0	0,0	
B0108	N1_PA1	W0320013-aa	10,00	64,08	64,08	200,0	Profile	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	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
B0924	N1_PA1	W0320014-bb	10,00	69,33	69,33	200,0	Profile									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	0,0	0,0	
B1720	N1_PA1	W0320015-cc	90,00	81,86	81,86	-200,0	Profile									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	0,0	0,0	
B0920	N1_PA1	W0320016-dd	90,00	73,17	73,53	Profile										20,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	
B0920	N1_PA1	W0320017-oo	50,00	73,53	73,53	100,0	Profile									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	0,0	0,0	
B0108	N1_PA1	W0320018-aa	10,00	64,08	64,08	200,0	Profile	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	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
B0924	N1_PA1	W0320019-bb	10,00	69,33	69,33	200,0	Profile									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	0,0	0,0	
B1720	N1_PA1	W0320020-cc	90,00	81,86	81,86	200,0	Profile									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	0,0	0,0	
B0920	N1_PA1	W0320021-dd	90,00	73,53	73,53	200,0	Profile									200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	200,0	
F0122	N1_PA1	W0320118-fg	45,00	0	0,00	10,0	Flexi	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	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0		
F0124	N1_PA1	W0320006-eee	55,00	0	0,00	10,0	Flexi	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	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0		
Sum								0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	180,0	550,0	550,0	550,0	550,0	550,0	550,0	550,0	800,0	800,0	800,0	800,0	0,0	0,0		

Blocks starting with F indicates that they are flexi orders



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