DAY-AHEAD MARKET
30 MINUTE MTU
TECHNICAL SPECIFICATION

Version 1.0

30 MINUTE MTU – DAY-AHEAD MARKET

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1 Introduction

The requirement from Article 8(4) of the Clean Energy Package (CEP) states that by 1st January 2021, the Imbalance Settlement Period (ISP) must be in 15 minutes across Europe. Several countries, including the Single Electricity Market (SEM) have been granted derogations by their National Regulatory Authorities. The CEP allows for an exemption to the ISP being 15 minutes, however the Nominated Electricity Market Operators (NEMOs) must provide Market Participants with the opportunity to trade energy in time intervals which are at least as short as the Imbalance Settlement Period for both Day-Ahead and Intraday Markets. The SEM has opted for 30-minute MTU to match the 30-minute ISP in the Balancing Market.

Currently, the SEM is trading in 60 Minute Market Time Unit (MTU) in the Day-Ahead Market (DAM) and is aiming to implement 30-minute MTU in the DAM which is scheduled to go-live in January 2025[1]. The SEM Intraday Auctions and Intraday Continuous Market are in 30-minute MTU already; therefore, no changes will be required.

This document describes the changes outlined to replace the 60 Minute Trading Periods by 30 Minute Trading Periods in ETS Client and API and related reports in the Day-Ahead Market.

2 ETS Trader User Interface

The following **trader screens** are updated to replace 60-minute MTU by 30-minute MTU:

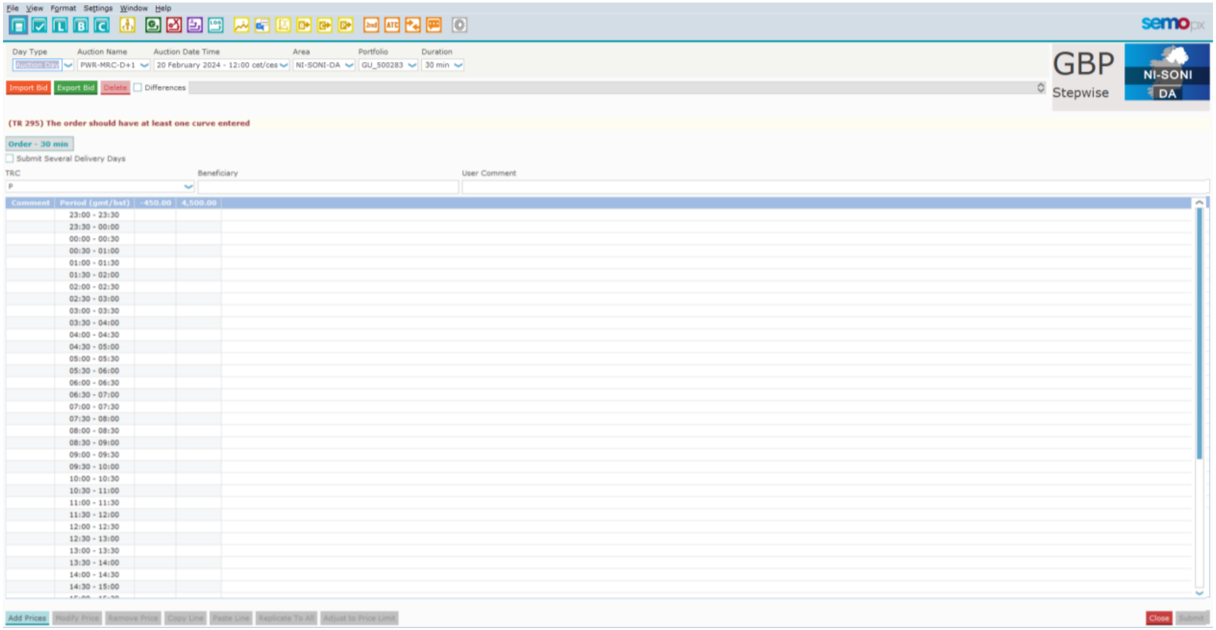
- **Linear bid entry screen**
- **Scalable Complex bid entry screen**
- **Market Results screen (overall, scalable complex, trade tabs)**
- **Published Indexes screen**

The current Day-Ahead Market trader screen in the ETS Client will be presented to the user with the following changes:

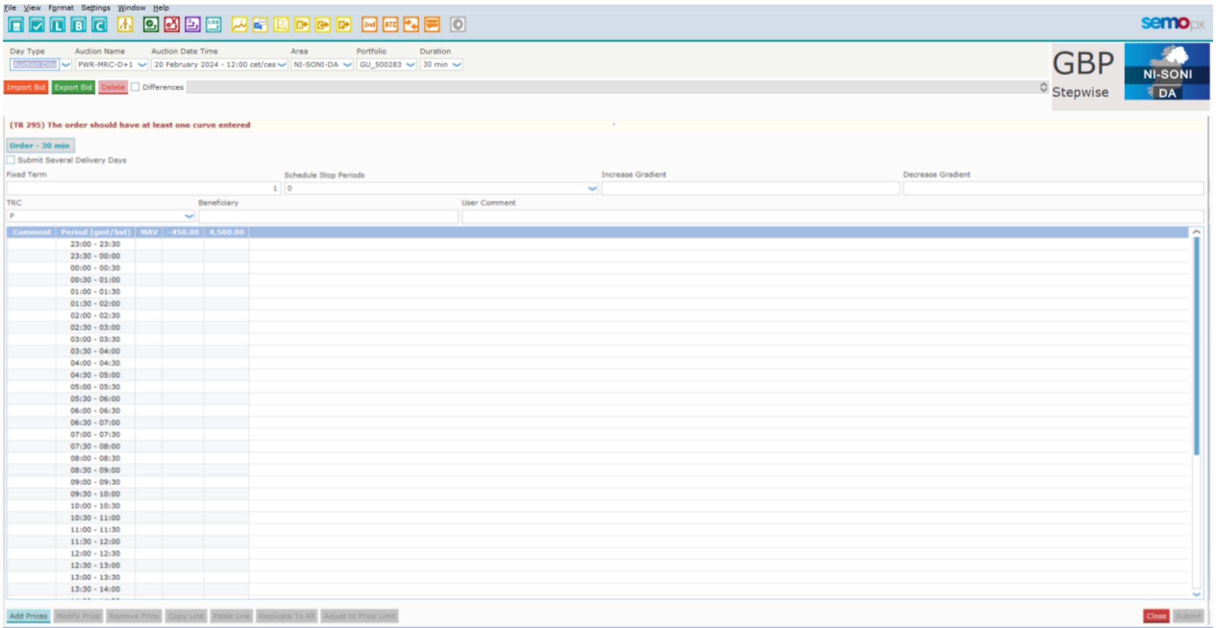
- Duration: will be automatically set to 30-minutes (rather than 60minutes. The same as the Intraday Auctions)
- Trading Periods: All relevant trading periods will be extended to include all 30-minute periods to cover the auction's delivery period. For example:
  - For normal day: Instead of the 24 x 1-hour trading period, there will be 48 x 30-minute trading periods.
  - For DST short clock day: Instead of the 23 x 1-hour trading period, there will be 46 x 30-minute trading periods.
  - For DST long clock day: Instead of the 25 x 1-hour trading period, there will be 50 x 30-minute trading periods.

[1] Go-live date to be confirmed by Single Day Ahead Coupling (SDAC) and subject to change due to dependency on successful testing at SDAC level.

2.1 Linear Bid Entry Screen

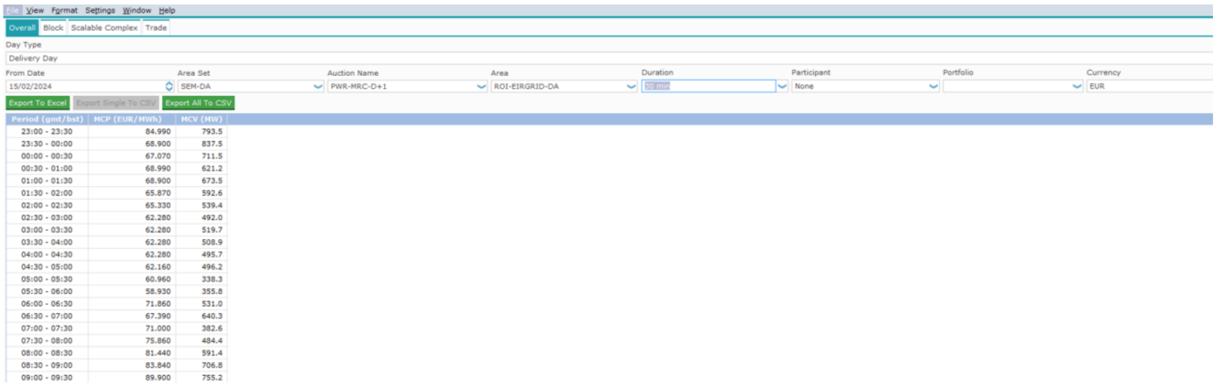


2.2 Scalable Complex Bid Entry Screen

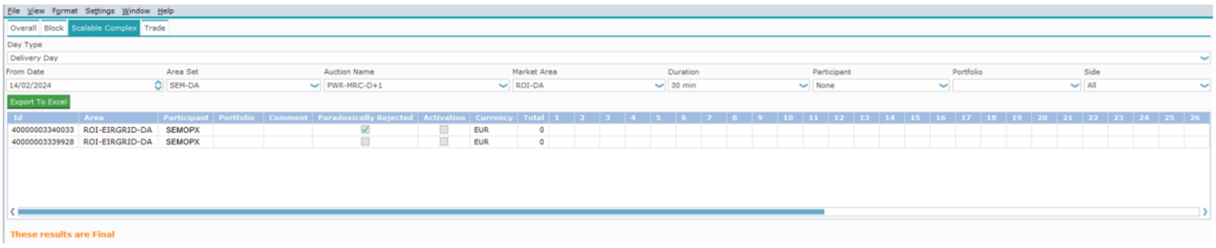


2.3 Market Results Screen (Overall, Scalable Complex, Trade Tabs)

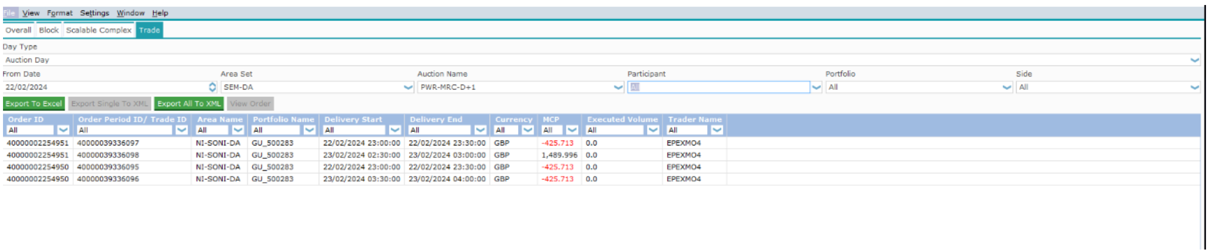
Overall Tab



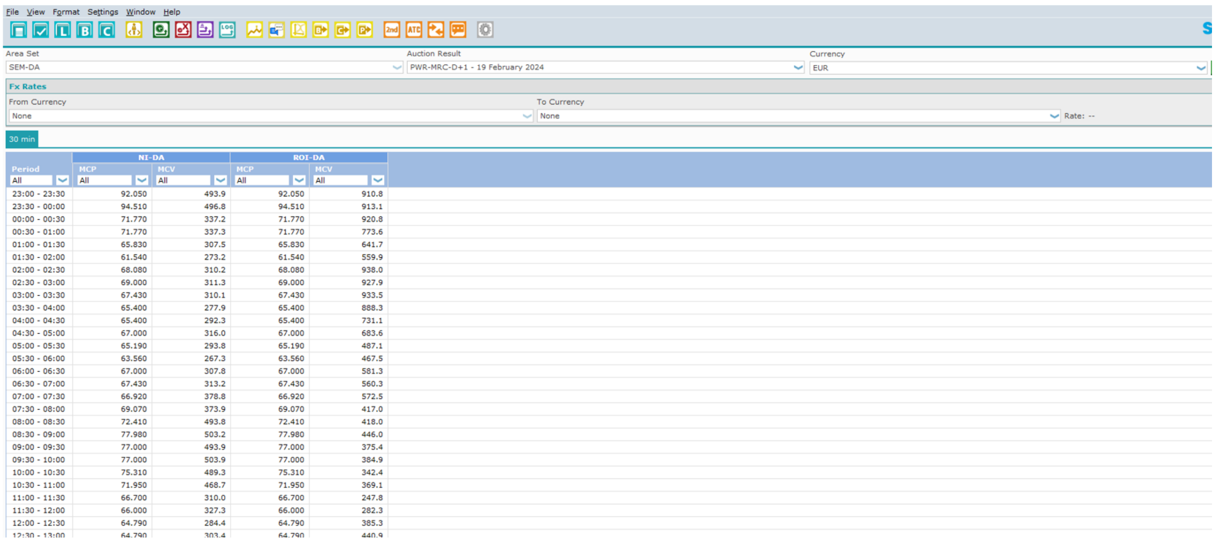
Scalable Complex Tab



Trade Tab



2.4 Published Indexes Screen



3 Reports

The following reports are updated to replace 60 Minute MTU by 30 Minute MTU:

- Market Results file
- Bid file
- Trade Report
- Bid Ask Curve
- REMIT File

3.1 Market Result File

3.1.1 Introduction

These reports contain the results from the Day-Ahead and Intraday Auction run by SEMOpx. These reports include all market-wide and SEMOpx Member specific results.

This Report contains an inventory of all participant's Trades that had been executed in ETS during the Spot market Auction for a given Area Set and auction date time.

This report also contains:

- the indexes values
- the block defined per default for each market area
- the net position for each market area
- FX rate value

The following changes to the Day-Ahead Auction parts of the Market Results file will occur as part of the 30-minute MTU (changes highlighted in below tables). This includes:

- Period Duration: 30-minute Day-Ahead period duration rather than the current 60-minute period duration for both Linear and Scalable Complex Orders.
- Date Time: All representation of delivery dates/times will only have 30-minutes between the delivery start and end times (rather than an hour)

3.1.2 File Name / Format

Name	MarketResult_[area set]_[auction name]_[auction date time]_[Creation date]
Format	CSV (separator: semi colon ; decimal separator: coma

[Auction date time]: auction date time (format: YYYYMMDDhhmmss) in GMT

[Creation date]: creation date of the file (format: YYYYMMDDhhmmss) in GMT

[area set]: name of the area set

[auction name]: name of the auction

3.1.3 File Example

Area set	SEM-DA								
Auction name	PWR-MRC-D+1								
Auction date time	2024-01-28T11:00:00Z								
FX rates									
EUR	GBP	0.85448176							
Market Area	NI-DA								
Index prices	30	EUR							
2024-01-28T23:00:00Z	2024-01-28T23:30:00Z	2024-01-29T00:00:00Z	2024-01-29T00:30:00Z	2024-01-29T01:00:00Z	2024-01-29T01:30:00Z	2024-01-29T02:00:00Z	2024-01-29T02:30:00Z	2024-01-29T03:00:00Z	
106.5	106.5	106.08	106.08	92	92	92	92	92	
Index prices	30	GBP							
2024-01-28T23:00:00Z	2024-01-28T23:30:00Z	2024-01-29T00:00:00Z	2024-01-29T00:30:00Z	2024-01-29T01:00:00Z	2024-01-29T01:30:00Z	2024-01-29T02:00:00Z	2024-01-29T02:30:00Z	2024-01-29T03:00:00Z	
91.002	91.002	90.643	90.643	78.612	78.612	78.612	78.612	78.612	
Index volumes	30								
2024-01-28T23:00:00Z	2024-01-28T23:30:00Z	2024-01-29T00:00:00Z	2024-01-29T00:30:00Z	2024-01-29T01:00:00Z	2024-01-29T01:30:00Z	2024-01-29T02:00:00Z	2024-01-29T02:30:00Z	2024-01-29T03:00:00Z	
326.5	343.1	327.9	324.3	324.2	326.1	285.1	284.5	276.4	
Net position	30								
2024-01-28T23:00:00Z	2024-01-28T23:30:00Z	2024-01-29T00:00:00Z	2024-01-29T00:30:00Z	2024-01-29T01:00:00Z	2024-01-29T01:30:00Z	2024-01-29T02:00:00Z	2024-01-29T02:30:00Z	2024-01-29T03:00:00Z	
-326.2	-342.6	-327	-317.6	-318.9	-326.1	-279.8	-279.1	-276	
Default blocks	30	EUR							
Block name	SEMOpx_Baseload	SEMOpx_23-07	SEMOpx_07-15	SEMOpx_15-23	SEMOpx_23-03	SEMOpx_03-07	SEMOpx_07-11	SEMOpx_11-15	
Block price	90.013	69.356	81.749	118.933	70.738	67.975	82.543	80.955	
Block volume	25115.2	5768.4	9174.4	10172.4	2956.2	2812.2	4421.7	4752.7	
Default blocks	30	GBP							
Block name	SEMOpx_Baseload	SEMOpx_23-07	SEMOpx_07-15	SEMOpx_15-23	SEMOpx_23-03	SEMOpx_03-07	SEMOpx_07-11	SEMOpx_11-15	
Block price	76.973	59.309	69.907	101.704	60.49	58.129	70.585	69.229	
Block volume	25115.2	5768.4	9174.4	10172.4	2956.2	2812.2	4421.7	4752.7	
Market Area	ROI-DA								
Index prices	30	EUR							
2024-01-28T23:00:00Z	2024-01-28T23:30:00Z	2024-01-29T00:00:00Z	2024-01-29T00:30:00Z	2024-01-29T01:00:00Z	2024-01-29T01:30:00Z	2024-01-29T02:00:00Z	2024-01-29T02:30:00Z	2024-01-29T03:00:00Z	
106.5	106.5	106.08	106.08	92	92	92	92	92	
Index prices	30	GBP							
2024-01-28T23:00:00Z	2024-01-28T23:30:00Z	2024-01-29T00:00:00Z	2024-01-29T00:30:00Z	2024-01-29T01:00:00Z	2024-01-29T01:30:00Z	2024-01-29T02:00:00Z	2024-01-29T02:30:00Z	2024-01-29T03:00:00Z	
91.002	91.002	90.643	90.643	78.612	78.612	78.612	78.612	78.612	
Index volumes	30								
2024-01-28T23:00:00Z	2024-01-28T23:30:00Z	2024-01-29T00:00:00Z	2024-01-29T00:30:00Z	2024-01-29T01:00:00Z	2024-01-29T01:30:00Z	2024-01-29T02:00:00Z	2024-01-29T02:30:00Z	2024-01-29T03:00:00Z	
1090.8	1091.1	1042.9	1051.2	1215.8	1193.8	1190.5	1183.1	1230	

3.1.4 ETS Market Results File: Area Set Section

Area Set Information: Line 1 (Area set name)

Col. #	Type	Description
1	Char(8)	"Area set"
2	Char(40)	Area set name

Area Set Information: Line 2 (Auction name)

Col. #	Type	Description
1	Char(12)	"Auction name"
2	Char(30)	Name of the auction (ie. PWR-MRC-D+1)

Area Set Information: Line 3 (Auction date/time)

Col. #	Type	Description
1	Char(17)	"Auction Date Time"
2	DateTime	Auction date time in UTC: YYYY-MM-DDThh:mm:ssZ

3.1.5 ETS Market Results File: FX Rate Section

FX Rate Information: Line 1 (FX Rate Header)

Col. #	Type	Description
1	Char(8)	"FX Rates"

FX Rate Information: Line 2 (FX Rate Details - only received FX Rates are reported)

Col. #	Type	Description
1	Char(3)	Value of Currency From: "EUR"
2	Char(3)	Value of Currency To: "GBP"
3	Number(16,8)	Value of currency rate. For EirGrid, the supplied FX rate will have a maximum of 4dp

3.1.6 ETS Market Results File: Index Section

The following section (Index Information) is repeated for NI and ROI

Index Information: Line 1 (Market Area Name)

Col. #	Type	Description
1	Char(11)	"Market Area"
2	Char(40)	"Market Area Name": "NI-DA", "ROI-DA",

Index Information: Line 2 (Index Prices)

Col. #	Type	Description
1	Char(12)	"Index prices"

Col. #	Type	Description
2	Number(3)	Period duration in minute: “30”
3	Char(3)	Currency: “EUR”, “GBP”

Index Information: Line 3 (Delivery Dates/Times for Auction Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46; but in case of auction from 16:00 to 23:00, then the number of columns is not variable)

Index Information: Line 4 (Index Price)

Col. #	Type	Description
1 -> n	Date Time	Value of Index Price in defined currency The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Index Information: Line 5 (Index Volume Definition)

Col. #	Type	Description
1	Char(13)	“Index volumes”
2	Number(3)	Period duration in minutes: “30”

Index Information: Line 6 (Delivery Dates/Times for Auction Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Index Information: Line 7 (Index Volume)

Col. #	Type	Description
1 -> n	Number (10,4)	Value of Index volume The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively.

Col. #	Type	Description
		The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Index Information: Line 8 (Net Position Definition)

Col. #	Type	Description
1	Char(12)	“Net position”
2	Number(3)	Period duration in minutes: “30”

Index Information: Line 9 (Delivery Dates/Times for Auction Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Index Information: Line 10 (Net Position Volume)

Col. #	Type	Description
1 -> n	Number (10,4)	Value of net position volume The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Index Information: Line 11 (Block Header - EUR)

Col. #	Type	Description
1	Char(14)	“Default blocks”
2	Number(3)	Period duration in minutes: “30”
3	Char(3)	Currency: “EUR”, “GBP”

Block Information: Line 12 (Block Names - EUR)

Col. #	Type	Description
1	Char(10)	“Default Block Name”
2	Char(40)	List of block names
…	…	*Subsequent default block names for block order submission defined for the market area*

The table below lists the pre-defined blocks.

Periods	Product name	Contract Name	Contract Name Day+1
1-48	SEMOpx_Baseload	SEMOpx_Baseload	SEMOpx_TBaseload
1-16	SEMOpx_4_Hour_Power	SEMOpx_23-07	SEMOpx_T23-07
17-32	SEMOpx_4_Hour_Power	SEMOpx_07-15	SEMOpx_T07-15
33-48	SEMOpx_4_Hour_Power	SEMOpx_15-23	SEMOpx_T15-23
1-8	SEMOpx_4_Hour_Power	SEMOpx_23-03	SEMOpx_T23-03
9-16	SEMOpx_4_Hour_Power	SEMOpx_03-07	SEMOpx_T03-07
17-24	SEMOpx_4_Hour_Power	SEMOpx_07-11	SEMOpx_T07-11
25-32	SEMOpx_4_Hour_Power	SEMOpx_11-15	SEMOpx_T11-15
33-40	SEMOpx_4_Hour_Power	SEMOpx_15-19	SEMOpx_T15-19
41-48	SEMOpx_4_Hour_Power	SEMOpx_19-23	SEMOpx_T19-23
1-4	SEMOpx_2_Hour_Power	SEMOpx_23-01	SEMOpx_T23-01
5-8	SEMOpx_2_Hour_Power	SEMOpx_01-03	SEMOpx_T01-03
9-12	SEMOpx_2_Hour_Power	SEMOpx_03-05	SEMOpx_T03-05
13-16	SEMOpx_2_Hour_Power	SEMOpx_05-07	SEMOpx_T05-07
17-20	SEMOpx_2_Hour_Power	SEMOpx_07-09	SEMOpx_T07-09
21-4	SEMOpx_2_Hour_Power	SEMOpx_09-11	SEMOpx_T09-11
25-28	SEMOpx_2_Hour_Power	SEMOpx_11-13	SEMOpx_T11-13
29-32	SEMOpx_2_Hour_Power	SEMOpx_13-15	SEMOpx_T13-15
33-36	SEMOpx_2_Hour_Power	SEMOpx_15-17	SEMOpx_T15-17
37-40	SEMOpx_2_Hour_Power	SEMOpx_17-19	SEMOpx_T17-19
41-44	SEMOpx_2_Hour_Power	SEMOpx_19-21	SEMOpx_T19-21
45-48	SEMOpx_2_Hour_Power	SEMOpx_21-23	SEMOpx_T21-23

Figure 2: Pre-Defined Blocks in the ETS Market Results File

Index Information: Line 13 (Block Prices)

Col. #	Type	Description
1	Chart(11)	"Block price"
2 -> n	Number(15,5)	Average price for all ***n*** blocks in the period, in designated currency Where ***n*** is the number of pre-defined blocks

Index Information: Line 14 (Block Volume)

Col. #	Type	Description
1	Chart(12)	"Block volume"
2 -> n	Number(10,4)	Sum of the volumes for all ***n*** blocks in the period Where ***n*** is the number of pre-defined blocks
…	…	*Subsequent average volumes*

3.1.7 Area Information

Area Information: Line 1 (Area Identifier)

Col. #	Type	Description
1	Char(4)	"Area"
2	Char(40)	Area name

Area Information: Line 2 (Area Price Header)

Col. #	Type	Description
1	Char(6)	"Prices"
2	Number(3)	Period duration in minutes: "30"
3	Char(43	Currency: "EUR", "GBP"

Area Information: Line 3 (Area Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change.

Col. #	Type	Description
		The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Area Information: Line 4 (Area Prices)

Col. #	Type	Description
1 -> n	Number(15,5)	Value of price in defined currency The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Index Information: Line 5 (Area Net Position Definition)

Col. #	Type	Description
1	Char(12)	"Net position"
2	Number(3)	Period duration in minutes: "30"

Index Information: Line 6 (Delivery Dates/Times for Auction Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Area Information: Line 7 (Area Net Position Volume)

Col. #	Type	Description
1 ->n	Number (10,4)	Value of Net position at area level (NEMO trading level) The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

The following sections (Linear Order, Scalable Complex Order) will be repeated for every SEMOpx Member portfolio that has cleared data in the respective auction. Scalable Complex Orders are only applicable to the SEMOpx Day-Ahead auction results.

Area Information, Participant-Level Detail: Line 1 (Member-Specific Header)

Col. #	Type	Description
1	Char(9)	"Portfolio"
2	Char(10)	Participant short name
3	Char(32)	Portfolio name
4	Number(3)	Period duration in minute: "30"
5	Char(3)	Settlement currency of the (portfolio, area) combination: "EUR" or "GBP"

Area Information, Participant -Level Detail, Linear Order Results: Line 1 (Linear Order Results Header)

Col. #	Type	Description
1	Char(10)	"Linear order"
2	Char(10)	Value of Trader Name

Area Information, Participant -Level Detail, Linear Order Results: Line 2 (Linear Order Results Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Area Information, Member-Level Detail, Linear Order Results: Line 3 (Linear Order Results Detail)

Col. #	Type	Description
1 -> n	Number(15,5)	Value of executed quantity for the linear order The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Area Information, Member-Level Detail, Linear Order Results: Line 4 (Linear Order OrderPeriodIDs)

Col. #	Type	Description
1 -> n	Number(25,0)	Value of orderPeriodIDs for the linear order The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Area Information, Member-Level Detail, Block Order Results: Line 1 (Block Order Results Header)

Col. #	Type	Description
1	Char(11)	"Block Order"
2	Char	Block order id
3	Char(20)	Value of TraderName

Area Information, Member-Level Detail, Block Order Results: Line 2 (Block Order Results Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Area Information, Member-Level Detail, Block Order Results: Line 3 (Block Order Results Time Horizon)

Col. #	Type	Description
1 -> n	Number (15,5)	Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Area Information, Member-Level Detail, Block Order Results: Line 4 (Block Order Results Time Horizon)

Col. #	Type	Description
1 -> n	Number (25,0)	Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Area Information, Member-Level Detail, Scalable Complex Order Results: Line 1 (Scalable Complex Order Results Header)

Col. #	Type	Description
1	Char(11)	"Block Order"
2	Char	Block order id
3	Char(20)	Value of TraderName

Area Information, Member-Level Detail, Scalable Complex Order Results: Line 2 (Scalable Complex Order Results Header)

Col. #	Type	Description
1	String	“Scalable Complex Order”
2	Char(20)	Value of Trader Name

Area Information, Member-Level Detail, Scalable Complex Order Results: Line 2 (Scalable Complex Order Results Time Horizon)

Col. #	Type	Description
1 -> n	Date Time	Period date time delivery start in UTC: YYYY-MM-DDThh:mm:ssZ The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Area Information, Member-Level Detail, Scalable Complex Order Results: Line 3 (Scalable Complex Order Results Detail)

Col. #	Type	Description
1 -> n	Number(15,5)	Value of executed quantity for the scalable complex order The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

Area Information, Member-Level Detail, Scalable Complex Order Results: Line 4 (Scalable Complex Order OrderPeriodIDs)

Col. #	Type	Description
1 -> n	Number(25,0)	Value of the orderPeriodIDs for the scalable complex order The day-ahead auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 1 auction has 48 columns. In the case of a short-day or long-day with seasonal time changes, the number of columns is 46 and 50, respectively. The intraday 2 auction has 24 columns. The time horizon of the auction is unaffected by the seasonal time change. The intraday 3 auction has 12 columns. The time horizon of the auction is unaffected by the seasonal time change. Due to clock change, the number of columns may be variable (e.g. in case of 30min day ahead auction for DST Short Clock change, the number of columns is 46)

3.2 Bid File

3.2.1 Introduction

This report contains all the orders submitted for the considered auction session. This document is produced in a CSV file to enable a quick visualization of the data and to ease automatic processing of the data. CSV format is also preferred because it is not as verbose as an xml file.

The following changes to the Day-Ahead Auction parts of the Bid file will occur as part of the 30-minute MTU (changes highlighted in below tables). This includes:

- Portfolio Period Duration: 30-minute Day-Ahead period duration rather than the current 60-minute period duration for both Linear and Scalable Complex Orders.
- Date Time: Trading period will be in 30-minute intervals (rather than 60-minute intervals)

3.2.2 File Name / Format

Name	BidFile_[area set]_[auction name]_[auction date time]_[Creation date]
Format	CSV (separator: semi colon ; decimal separator: coma)

[Auction date time]: auction date time (format: YYYYMMDDhhmmss) in GMT

[Creation date]: creation date of the file (format: YYYYMMDDhhmmss) in GMT

[area set]: name of the area set

[auction name]: name of the auction

3.2.3 File Example

Area set	SEM-DA																				
Auction name	PWR-MRC-D+1																				
Auction date time	2024-01-28T11:00:00Z																				
PO	SEMOPX	AU_501111	NI-SONI-DA	30	GBP	N															
SL	4E+13	SEMOPX-U2	SEMOPX	2024-01-28T10:11:32Z	P																
PR	Period	OrderPeriodID	Active	Execution	-450	250	250	240	240	230	230	220	220	210	210	200	200	190	190	180	180
VL	2024-01-28T23:00:00Z	4.00001E+13	Y	62	62			62	0												
VL	2024-01-28T23:30:00Z	4.00001E+13	Y	62	62			62	0												
VL	2024-01-29T00:00:00Z	4.00001E+13	Y	62	62					62	0										
VL	2024-01-29T00:30:00Z	4.00001E+13	Y	62	62					62	0										
VL	2024-01-29T01:00:00Z	4.00001E+13	Y	62	62							62	0								
VL	2024-01-29T01:30:00Z	4.00001E+13	Y	62	62							62	0								
VL	2024-01-29T02:00:00Z	4.00001E+13	Y	62	62									62	0						
VL	2024-01-29T02:30:00Z	4.00001E+13	Y	62	62									62	0						
VL	2024-01-29T03:00:00Z	4.00001E+13	Y	62	62											62	0				
VL	2024-01-29T03:30:00Z	4.00001E+13	Y	62	62											62	0				
VL	2024-01-29T04:00:00Z	4.00001E+13	Y	62	62													62	0		
VL	2024-01-29T04:30:00Z	4.00001E+13	Y	62	62													62	0		
VL	2024-01-29T05:00:00Z	4.00001E+13	Y	62	62															62	0
VL	2024-01-29T05:30:00Z	4.00001E+13	Y	62	62															62	0
VL	2024-01-29T06:00:00Z	4.00001E+13	Y	62	62																
VL	2024-01-29T06:30:00Z	4.00001E+13	Y	62	62																
VL	2024-01-29T07:00:00Z	4.00001E+13	Y	62	62																
VL	2024-01-29T07:30:00Z	4.00001E+13	Y	62	62																
VL	2024-01-29T08:00:00Z	4.00001E+13	Y	62	62																
VL	2024-01-29T08:30:00Z	4.00001E+13	Y	62	62																
VL	2024-01-29T09:00:00Z	4.00001E+13	Y	62	62																

3.2.4 ETS Bid File: Area Set Section

Area Set Information: Line 1 (Area set name)

Col. #	Type	Description
1	String	“Area set”
2	String	Area set name.

Area Set Information: Line 2 (Auction name)

Col. #	Type	Description
1	Char(12)	“Auction name”
2	Char(30)	Name of the auction (ie. PWR-MRC-D+1)

Area Set Information: Line 3 (Auction date/time)

Col. #	Type	Description
1	Char(17)	"Auction Date Time"
2	DateTime	Auction Date Time in UTC: YYYY-MM-DDThh:mm:ssZ

3.2.5 *ETS Bid File: Portfolio-Area Section*

Portfolio - Area Information: Line 1 (Portfolio – Area – Period Duration)

Col. #	Type	Description
1	Char(2)	"PO" (for Portfolio)
2	Char(10)	Participant of the Portfolio >> Short Name
3	Char(32)	Portfolio name
4	Char(40)	Area name
5	Number(3)	Period duration in minutes: "30"
6	Char(3)	Settlement currency of the (portfolio, area) combination ("EUR, "GBP")
7	Char(2)	Portfolio type: normal (N), physical delivery month (PM) or physical delivery week (PW)

3.2.5.1 Line to describe submitted linear order

For each linear order that has been submitted and accepted in the central module, following lines are indicated:

Line 1

Col. #	Type	Description
1	Char(2)	"SL" (for submission linear order)
2	Number(25,0)	Order ID
3	Char(20)	User ID
4	Char(10)	Participant of the User Short Name (can be different from participant of the Portfolio)
5	Date Time	Submission date time in UTC: YYYY-MM-DDThh:mm:ssZ
6	Char(1)	Trading Capacity (TRC) : Refers to the Agent 'A' or Proprietary 'P'
7	varchar(12)	Beneficiary: Refers to the ACER code if populated

Line 2

Col. #	Type	Description
1	Char(2)	"PR" (for price)
2	Char(6)	"Period"
3	Char(6)	"OrderPeriodID"
4	Char(6)	"Active"
5	Char(9)	"Execution"
6	Number(15,5)	First price of the linear order If price tick has been modified after the order submission, the original price as submitted by the user is still displayed
..	..	..
	Number(15,5)	Last price of the linear order If price tick has been modified after the order submission, the original price as submitted by the user is still displayed

Line 3

Col. #	Type	Description
1	Char(2)	"VL" (for volume)
2	DateTime	Period date time in UTC: YYYY-MM-DDThh:mm:ssZ
3	Number(25,0)	Order Period ID
4	Char(1)	"Y" if the order is active and "N" if the order is not active. If an order with physical delivery is not confirmed at the moment of the 'curve calculation' trigger which is used for this bid file generation, then "N" must be indicated. If an order has been submitted after the 'curve calculation' trigger which is used for this bid file generation, then 'N' must be indicated. If a newer version for the order has been accepted by the server, then the older version has status 'N' The order status must be indicated (Either 'Y' or 'N') even if the bid file is generated before the first curve calculation from the auction session monitoring screen. After any curve calculation, the orders statuses are frozen until the next curve calculation
5	Number(10,4)	Value of the executed quantity. If the order is inactive, the volume will always be zero.
6	Number(10,4)	Value of the submitted quantity for the first price of the interpolated order (as submitted by the user, in settlement currency) If no quantity is defined for the price, then no value

Col. #	Type	Description
		If volume tick has been modified after the order submission, the original volume as submitted by the user is still displayed
..	..	..
	Number(10,4)	Value of the submitted quantity for the last price of the interpolated order. If no quantity is defined for the price, then no value If volume tick has been modified after the order submission, the original volume as submitted by the user is still displayed

3.2.5.2 Line to describe submitted scalable complex order

For each scalable complex order that has been submitted and accepted in the central module, following lines are indicated (in particular the several versions of a scalable complex order are reported):

Line 1

Col. #	Type	Description
1	Char	"SC" (for submission scalable complex order)
2	Number(15,0)	Value of Order ID
3	Char	Value of User ID
4	String	Member ID of the user
5	Date Time	Submission date time in UTC: YYYY-MM-DDThh:mm:ssZ
6	Char(1)	Trading Capacity (TRC): Refers to the Agent 'A' or Proprietary 'P'
7	varchar(12)	Beneficiary: Refers to the ACER code if populated
8	Char(10)	"Fixed Term"
9	Number(18,11)	Value of Fixed Term
10	Char(17)	"Increase Gradient"
11	Number(11,5)	Value of Increase Gradient
12	Char(17)	"Decrease Gradient"
13	Number(11,5)	Value of Decrease Gradient
14	Char(22)	"Scheduled Stop Periods"
15	Number(2)	Value of Scheduled Stop Periods
16	Char(22)	"Paradoxically Rejected"
17	Number(1)	Value of Paradoxically Rejected (1 – paradoxically rejected, 0 – not paradoxically rejected)
18	Char(10)	"Activation"
19	Number(1)	Value of activation (0 - Rejected,1 - Accepted)

Line 2

Col. #	Type	Description
1	Char(2)	"PR" (for price)
2	Char(6)	"Period"
3	Char	"OrderPeriodID"
4	Char(6)	"Active"
5	Char(9)	"Execution"
6	Char(3)	"MAV"
7	Number(15,5)	First price of the scalable complex order If price tick has been modified after the order submission, the original price as submitted by the user is still displayed
..	..	..
	Number(15,5)	Last price of the scalable complex order If price tick has been modified after the order submission, the original price as submitted by the user is still displayed

Line 3

Col. #	Type	Description
1	Char(2)	"VL" (for volume)
2	Date Time	Period date time in UTC: YYYY-MM-DDThh:mm:ssZ
3	Number(25,0)	Value of Order Period ID
4	Char(1)	"Y" if the order is active and "N" if the order is not active If an order has been submitted after the 'curve calculation' trigger which is used for this bid file generation, then 'N' must be indicated. If a newer version for the order has been accepted by the server, then the older version has status 'N'.

Col. #	Type	Description
		The order status must be indicated (Either ‘Y’ or ‘N’) even if the bid file is generated before the first curve calculation from the auction session monitoring screen. After any curve calculation, the orders statuses are frozen until the next curve calculation
5	Number(10,4)	Value of the executed quantity. Even if the scalable complex order is not with ‘activated’ status, it may have executed quantity (due to the Scheduled Stop Condition).
6	Char(3)	Value of the Minimum Acceptance Volume (MAV)
7	Number(10,4)	Value of the submitted quantity for the first price of the order If no quantity is defined for the price, then no value If volume tick has been modified after the order submission, the original volume as submitted by the user is still displayed
..	..	..
	Number(10,4)	Value of the submitted quantity for the last price of the order If no quantity is defined for the price, then no value If volume tick has been modified after the order submission, the original volume as submitted by the user is still displayed.

3.3 Trade File

3.3.1 Introduction

The following changes to the Day-Ahead Auction parts of the Trade file will occur as part of the 30-minute MTU (changes highlighted in below tables). This includes:

- Delivery Start time and Delivery End time: All representation of delivery times be in 30-minute intervals (rather than 60-minute intervals).

The trade report content depends on the type of user (MO, TRADER, NON MARKET PARTICIPANT) and the access rights.

MO user	Trade report can contain only information of area set for which MO user has read or read/write access rights.
TRADER user	Market area details can be accessed only by TRADER user who has read or read write rights for a (portfolio, area) combination of an area which belongs to the same exchange as the considered auction session. Trade report can only contain order/trade information of (portfolio, area) combinations for which the TRADER user has read or read write rights.
NON MARKET PARTICIPANT user	Market area details can be accessed only for the market areas configured for the Non Market Participant; no access to member information, i.e. <TradeArea> tag is omitted.

3.3.2 File Name / Format

3.3.2.1 XML Export Single

If ‘XML Export Single’ is selected in Market Results screen:

Name	<auction date time>_TradeReport_<Shortname participant>_<area set>_<auction name>
Format	XML ZIP file containing generated XML Member report Encoding for the xml file = <?xml version=”1.0” encoding=”UTF-8”?>

3.3.2.2 XML Export All

If ‘XML Export All’ is selected in Market Results screen:

Name	<auction date time>_TradeReport_<Shortname exchange>_<area set>_<auction name>
Format	XML ZIP file containing generated XML Member report Encoding for the xml file = <?xml version=”1.0” encoding=”UTF-8”?>

With:

<Auction date time>: auction date time (format: YYYYMMDDhhmmss) in GMT
<Shortname>: Shortname of the market participant in case of ‘XML Export Single’; Shortname of the exchange linked to the area set in case of ‘XML Export All’
<area set>: name of the area set
<auction name>: name of the auction

3.3.3 File Examples

Order ID	Order Period ID/ Trade ID	Area Name	Portfolio Name	Delivery Start	Delivery End	Currency	MCP	Executed Volume	Trader Name
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	13 February 2024 23:00:00	13 February 2024 23:30:00	EUR	81.34	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	13 February 2024 23:30:00	14 February 2024 00:00:00	EUR	78.87	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 00:00:00	14 February 2024 00:30:00	EUR	79	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 00:30:00	14 February 2024 01:00:00	EUR	78.87	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 01:00:00	14 February 2024 01:30:00	EUR	82	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 01:30:00	14 February 2024 02:00:00	EUR	77.05	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 02:00:00	14 February 2024 02:30:00	EUR	82.6	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 02:30:00	14 February 2024 03:00:00	EUR	94.71	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 03:00:00	14 February 2024 03:30:00	EUR	104.5	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 03:30:00	14 February 2024 04:00:00	EUR	108.71	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 04:00:00	14 February 2024 04:30:00	EUR	135	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 04:30:00	14 February 2024 05:00:00	EUR	150.6	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 05:00:00	14 February 2024 05:30:00	EUR	149.71	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 05:30:00	14 February 2024 06:00:00	EUR	119.37	60	SEMOPX-U2
4E+13	4.00001E+13	ROI-EIRGRID-DA	AU_401111	14 February 2024 06:00:00	14 February 2024 06:30:00	EUR	87.48	60	SEMOPX-U2


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<ns:AuctionMemberReport xmlns:ns="https://www.epexspot.com/AuctionMemberReport">
  <AreaSetName>SEM-DA</AreaSetName>
  <AuctionName>PWR-MRC-D+1</AuctionName>
  <AuctionDateTime>2024-02-13T11:00:00Z</AuctionDateTime>
  <MarketArea>
    <MarketAreaName>NI-DA</MarketAreaName>
    <MarketAreaIndex>
      <DeliveryStart>2024-02-14T09:00:00Z</DeliveryStart>
      <DeliveryEnd>2024-02-14T09:30:00Z</DeliveryEnd>
      <PriceIndex>
        <Currency>EUR</Currency>
        <Price>72.000</Price>
      </PriceIndex>
      <PriceIndex>
        <Currency>GBP</Currency>
        <Price>59.605</Price>
      </PriceIndex>
      <VolumeIndex>929.800</VolumeIndex>
    </MarketAreaIndex>
    <MarketAreaIndex>
      <DeliveryStart>2024-02-14T08:00:00Z</DeliveryStart>
      <DeliveryEnd>2024-02-14T08:30:00Z</DeliveryEnd>
      <PriceIndex>
        <Currency>EUR</Currency>
```


3.3.4 File Content

Element	Data Type	Card.	Content
AreaSetName	String	[1..1]	Name of the area set
AuctionName	String	[1..1]	Auction name
AuctionDateTime	DateTime	[1..1]	Auction date time in the “YYYY-MM-DDTHH24:MI:SSZ” format
MarketArea	Group	[1..n]	List of market areas of the area set
+MarketAreaName	String	[1..1]	Market area name
+MarketAreaIndex	Group	[0..n]	
++DeliveryStart	DateTime	[1..1]	Delivery start of the period in the “YYYY-MM-DDTHH24:MI:SSZ” format
++DeliveryEnd	DateTime	[1..1]	Delivery end of the period in the “YYYY-MM-DDTHH24:MI:SSZ” format
++PriceIndex	Group	[1..n]	Price index is indicated for all settlement, trade limit and auction currencies available at the level of the area set
+++Currency	String	[1..1]	Currency name

Element	Data Type	Card.	Content
+++Price	Decimal	[1..1]	Price index value The value is reported with the number of decimal places of the price tick plus one extra decimal place
++VolumeIndex	Decimal	[1..1]	Quantity index The value is reported with the number of decimal places of the volume tick
+TradeArea	Group	[0..n]	If the member(s) do not have any active order for the considered auction session, then this tag will not appear (omitted) In case of Non Market Participant user this tag will not appear (omitted) The group will be processed in descending area name order[2]
++AreaName	String	[1..1]	Area name
++AreaTimeZone	String	[1..1]	Time zone of the area
++MemberDetail	Group	[1..n]	The group will be processed in descending participant shortname order[3]
+++MemberName	String	[1..1]	Participant shortname to whom the portfolios belong
+++Order	Group	[1..n]	First linear orders, then scalable complex orders, then block orders[4] The group will be processed in ascending order ID, with order ID as defined in §2.3 Only active orders for the considered auction sessionare reported[5]
++++OrderID	Integer	[1..1]	Order ID as defined in §2.3
++++Portfolio	String	[1..1]	Portfolio name
++++OrderType	String	[1..1]	Type of the order; either “Linear” or “Scalable Complex” or “Block”
++++OrderEntryTime	DateTime	[1..1]	Order entry time in “YYYY-MM-DDTHH24:MI:SSZ” format
++++OrderEntryUser	String	[1..1]	Trader ID as defined in §2.1
++++SettlementCurrency	String	[0..1]	Settlement currency
++++BlockOrderDetails	Group	[0..n]	This tag will appear only if OrderType is “Block”
+++++Price	Decimal	[1..1]	Block price limit in settlement currency
+++++AverageMCP	Decimal	[1..1]	Weighted average MCP over the periods of the considered block, in the settlement currency The value is reported with the number of decimal places of the price tick plus one extra decimal place
+++++MAR	Decimal	[1..1]	Value of minimum acceptance ratio
+++++AAR	Decimal	[1..1]	Value of actual acceptance ratio
+++++Status	String	[1..1]	Execution status: “Executed” or “Rejected”
+++++BlockCode	String	[1..1]	C01 for normal block, C02 for linked block, C04 for exclusive block, C88 for loop block
+++++BlockCodePRM	String	[0..1]	If “BlockOrderType” = C01 : the tag is omitted If “BlockOrderType” = C02 : The “BlockCodePRM” field corresponding to this BlockOrderType will be : ➢ A number “OrderID”: If this Block has one parent. This field contains the OrderID of its parent ➢ Several numbers “OrderID”: If this Block has several parents. This field contains the OrderID of all its parent, separated by the “_” character between each OrderID If “BlockOrderType” = C04: The “BlockCodePRM” field corresponding to this BlockCode will be an “Exclusive Group”

[2] However since it is xml format, the outcome may be different
[3] However since it is xml format, the outcome may be different
[4] However since it is xml format, the outcome may be different
[5] E.g. cancelled linear orders or orders from excluded members are not reported

Element	Data Type	Card.	Content
			ID generated by ETS server. It will be unique and the same for all contents blocks in this group If "BlockOrderType" = C88: The "BlockCodePRM" field corresponding to this BlockCode will be an "Loop family" ID generated by ETS server. It will be unique and the same for all contents blocks in this group
+++++Paradoxically	String	[1..1]	"No" or "PRB" or "PAB with child"
++++ScalableComplexOrderDetails	Group	[0..n]	This tag will appear only if OrderType is "Scalable Complex"
+++++Fixed_Term	Decimal	[0..1]	Not used yet
+++++Increase_Gradient	Decimal	[0..1]	Not used yet
+++++Decrease_Gradient	Decimal	[0..1]	Not used yet
+++++Schedule_Stop	Integer	[0..1]	Not used yet
+++++Paradoxically	Integer	[1..1]	Value of Paradoxically Rejected (1 – paradoxically rejected / 0 – not paradoxically rejected)
+++++Activation	Integer	[1..1]	Value of Activation (1 – Accepted / 0 – Rejected)
++++Period	Group	[1..n]	The group is processed in ascending Delivery Start
+++++OrderPeriodID	Integer	[1..1]	ID for a period of the order (see §2.2 and §2.4)
+++++TradeID	Integer	[1..1]	ID of the trade ; same value as OrderPeriodID
+++++DeliveryStart	DateTime	[1..1]	Delivery Start in the "YYYY-MM-DDTHH24:MI:SSZ" format
+++++DeliveryEnd	DateTime	[1..1]	Delivery End in the "YYYY-MM-DDTHH24:MI:SSZ" format
+++++MarketClearingPrice	Decimal	[1..1]	Market clearing price in settlement currency The value is reported with the number of decimal places of the price tick plus one extra decimal place
+++++ExecutedVolume	Decimal	[1..1]	Executed volume The value is reported with the number of decimal places of the volume tick
+++++MAV	Decimal	[1..1]	Not used yet
+++++Curve	Group	[0..1]	Not used yet
++++++CurvePoint	Group	[2..n]	Not used yet
+++++++Price	Decimal	[1..1]	Not used yet Submitted price in settlement currency
+++++++Volume	Decimal	[1..1]	Not used yet Submitted volume
+++++Volume	Decimal	[0..1]	Block order submitted volume This tag will appear only if OrderType is "Block"
+++++TradingCapacity	String	[1..1]	Refers to Agent 'A' or Proprietary 'P'
+++++Beneficiary	varchar	[1..1]	Refers to the acer code if populated

Remark: at the time being some order information is not included in the report to avoid creation of a too large report. These tags are optional in the XSD. In case members ask for more information, this information will be filled by ETS. These tags are identified with "Not used yet" content description.

3.4 ETS Bid/Ask Curve Files

3.4.1 Introduction

This file contains the calculated data points of the bid/ask curves, containing aggregated NI and ROI data.

The following changes to the Day-Ahead Auction parts of the Bid/Ask Curve file will occur as part of the 30-minute MTU (changes highlighted in below tables). This includes:

- Time Step: 30-minute Day-Ahead time step reporting rather than the current hourly contract reporting.

3.4.2 File Name / Format

Auction	Filemask
Day-Ahead Auction Bid/Ask Curves, SEM	BidAskCurves_SEM-DA_<AUCTION DATE as YYYYMMDDHHMMSS>_<REPORT_PULICATION_DATE as YYYYMMDDHHMMSS>.xml

3.4.3 File Example


```xml
<?xml version="1.0" encoding="ISO-8859-1"?>
<BidAskCurves>
  <MarketArea>
    <MarketAreaName>SEM-DA</MarketAreaName>
    <DeliveryDay>
      <Day>29/01/2024</Day>
    <TimeStep>
      <TimeStepID>00HH1</TimeStepID>
        <Purchase>
          <Price>-150</Price>
          <Volume>2515.1</Volume>
        </Purchase>
        <Purchase>
          <Price>-150</Price>
          <Volume>2505.1</Volume>
        </Purchase>
        <Purchase>
          <Price>-149</Price>
          <Volume>2505.1</Volume>
        </Purchase>
        <Purchase>
          <Price>-149</Price>
          <Volume>2480.1</Volume>
        </Purchase>
        <Purchase>
```

```xml
      <TimeStepID>00HH2</TimeStepID>
        <Purchase>
          <Price>-150</Price>
          <Volume>2591.5</Volume>
        </Purchase>
        <Purchase>
          <Price>-150</Price>
          <Volume>2581.5</Volume>
        </Purchase>
        <Purchase>
          <Price>-149</Price>
          <Volume>2581.5</Volume>
        </Purchase>
        <Purchase>
          <Price>-149</Price>
          <Volume>2556.5</Volume>
        </Purchase>
        <Purchase>
```

```xml
      <TimeStepID>01HH1</TimeStepID>
        <Purchase>
          <Price>-150</Price>
          <Volume>2498.9</Volume>
        </Purchase>
        <Purchase>
          <Price>-150</Price>
          <Volume>2488.9</Volume>
        </Purchase>
        <Purchase>
          <Price>-149</Price>
          <Volume>2488.9</Volume>
        </Purchase>
        <Purchase>
          <Price>-149</Price>
          <Volume>2463.9</Volume>
        </Purchase>
        <Purchase>
```


3.4.4 ETS Bid/Ask Curve File: Sections

Market Area Sub Element

Field	Data type	Elements	Description
MarketAreaName	String	1	MarketArea
DeliveryDay	DeliveryDay	1	

DeliveryDay Sub Element

Field	Data type	Elements	Description
Day	Date	1	dd/mm/yyyy
TimeStep	TimeStep	1 - n	Time step curve data for all time steps of the day

TimeStep Sub Element

Field	Data type	Elements	Description
TimeStepID	String	1	Time step: 00HH1- 23HH2 DST Short Clock Change: On DST, the third hour (02HH1 & 02HH2) is removed: 00HH1, 00HH2, 01HH1, 01HH2, 03HH1, 03HH2, … , 23HH2 DST Long Clock Change: On DST, the third hour is replicated, and the letter 'B' is used to differentiate it: 00HH1, 00HH2, 01HH1, 01HH2, 02HH1, 02HH2, 02HH1B, 02HH2B, … , 23HH2
Purchase	Bid	0 – n	Price/Quantity pairs for purchased quantity at a given price level
Sell	Bid	0 – n	Price/Quantity pairs for sold quantity at a given price level

Bid Sub Element

Field	Data type	Elements	Description
Price	Price	1	Buy/sell price Value has the precision of the area price + 2 additional decimal places e.g. for price tick 0.1 €/MWh there will be three decimal places of precision
Quantity	Quantity	1	Purchased/sold quantity Value has the precision of the area volume + 1 additional decimal place e.g. for volume tick 0.1 MW there will be two decimal places of precision

3.5 REMIT Files

3.5.1 Introduction

Two REMIT files per member that has opted in to REMIT reporting are delivered per day; one for Auctions and one for Continuous. These files are submitted directly to ACER on a daily basis, and published on the SEMOpx website on a daily basis, for reporting date D+1.

The following changes to the Day-Ahead Market Auction parts of the REMIT reporting (applicable to AU REMIT file only) will occur as part of the 30-minute MTU (changes highlighted in below tables). This includes:

- Contracts information: 30-minute Day-Ahead Market contracts/products reporting rather than the current hourly contract reporting. This implies:
  - Twice as many contracts / products being reported for each DA auction
  - Delivery Start Time and Delivery End Time: All representation of delivery dates / times (for contracts, orders and trades) will only have 30-minutes between the delivery start and end times (rather than an hour)
  - Interval Start Time and Interval End Time: All representation of interval times (for contracts, orders and trades) will only have 30-minutes between the start and end times (rather than an hour)
- Duration: will be represented by “N” rather than “H”

There are no changes to the Continuous REMIT files as part of the 30-Minute MTU changes.

These reports can be located directly on the SEMOpx website, under Market Data>Reports>Remit Reports.

File	Filemask
Auctions REMIT File	[Trading Date as YYYYMMDD]_[Generation date/time file as YYYYMMDDHHMMSS]_[RRM code]_[Member EPEX Shortname]_AU.xml
Continuous REMIT File	[Trading Date as YYYYMMDD]_[Generation date/time file as YYYYMMDDHHMMSS]_[RRM code]_[Member EPEX Shortname]_CO.xml

3.5.2 File Examples


```xml
<?xml version="1.0" encoding="UTF-8"?>
<REMITTable1 xmlns="http://www.acer.europa.eu/REMIT/REMITTable1_V3.xsd" xm
  <reportingEntityID>
    <ace>B00018612.IE</ace>
  </reportingEntityID>
  <contractList>
    <contract>
      <contractId>1_202402241100_NI-SONI-DA_202402242300_30</contractId>
      <contractName>SEMOpx_DAM</contractName>
      <contractType>AU</contractType>
      <energyCommodity>EL</energyCommodity>
      <settlementMethod>P</settlementMethod>
      <organisedMarketPlaceIdentifier>
        <ace>B00018612.IE</ace>
      </organisedMarketPlaceIdentifier>
      <contractTradingHours>
        <startTime>00:00:00+00:00</startTime>
        <endTime>23:59:59+00:00</endTime>
      </contractTradingHours>
      <lastTradingDateTime>2024-02-24T11:00:00Z</lastTradingDateTime>
      <deliveryPointOrZone>10Y1001A1001A016</deliveryPointOrZone>
      <deliveryStartDate>2024-02-24</deliveryStartDate>
      <deliveryEndDate>2024-02-25</deliveryEndDate>
      <duration>N</duration>
      <loadType>BH</loadType>
      <deliveryProfile>
        <loadDeliveryStartTime>23:00:00</loadDeliveryStartTime>
        <loadDeliveryEndTime>23:30:00</loadDeliveryEndTime>
      </deliveryProfile>
    </contract>
```

```xml
  <contractId>1_202402241100_NI-SONI-DA_202402242300_30</contractId>
</contractInfo>
<organisedMarketPlaceIdentifier>
  <ace>B00018612.IE</ace>
</organisedMarketPlaceIdentifier>
<transactionTime>2024-02-23T13:53:57.000Z</transactionTime>
<priceIntervalQuantityDetails>
  <intervalStartTime>23:00:00</intervalStartTime>
  <intervalEndTime>23:30:00</intervalEndTime>
  <quantity>30.20</quantity>
  <unit>MW</unit>
  <priceTimeIntervalQuantity>
    <value>-700.00</value>
    <currency>GBP</currency>
  </priceTimeIntervalQuantity>
</priceIntervalQuantityDetails>
<priceIntervalQuantityDetails>
  <intervalStartTime>23:00:00</intervalStartTime>
  <intervalEndTime>23:30:00</intervalEndTime>
  <quantity>10.20</quantity>
  <unit>MW</unit>
  <priceTimeIntervalQuantity>
    <value>126.78</value>
    <currency>GBP</currency>
  </priceTimeIntervalQuantity>
</priceIntervalQuantityDetails>
<priceIntervalQuantityDetails>
```


3.5.3 Auction REMIT File Name / Format

The structure of the Auctions REMIT file is described below.

There are four blocks :

. Reporting entity ID

. Contract list
. Order list
. Trade list.

To have a readable section, a table is proposed for each block :

REPORTING ENTITY ID :
This block gives the ACER code of the Registered Reporting Mechanism (RRM) concerned : here the SEMOpx'

Field	Data type	TRUM Field	Description
reportingEntityID/ace	String	6, 7	

CONTRACT LIST :

This block gives the list of the different contracts on which the member has traded

Field	Data type	TRUM Field	Description
contractId	String	21	
contractName	String	22	
contractType	String	23	
cnergyCommodity	String	24	
settlementMethod	String	26	
OrganisedMarketPlaceIdentifier/ace	String	27	
lastTradingDatetime	Date/Time – ISO8601	29	YYYY-MM-DDTHH:MM:SSZ
deliveryPointOrZone	String	48	
deliveryStartDate	Date – ISO8601	49	YYYY-MM-DD
deliveryEndDate	Date – ISO8601	50	YYYY-MM-DD
duration	String	51	
loadType	String	52	
deliveryProfile/loadDeliveryStartTime	Time – ISO8601	54	HH:MM
deliveryProfile/loadDeliveryEndTime	Time – ISO8601	54	HH:MM

ORDER LIST :

This block gives the list of the orders the member has submitted on the market

Field	Data type	TRUM Field	Description
RecordSeqNumber	Integer	-	Sequence number added incrementally
IdOfMarketParticipant/ace	String	1 & 2	
TraderID/traderIdForOrganisedMarket	String	3	
tradingCapacity	String	10	
buySellIndicator	String	11	
OrderId/uniqueOrderIdentifier	String	13	New OrderPeriodID generated by ETS
orderType	String	14	YYYY-MM-DDTHH:MM:SSZ
orderStatus	String	16	
(order)duration/duration	String	20	"Order" is not included in field name within file
ContractInfo/contractId	String	21	
OrganisedMarketPlaceIdentifier/ace	String	27	
transactionTime	Date/Time – ISO8601	30	YYYY-MM-DDTHH:MM:SSSZ
PriceIntervalQuantityDetails/intervalStartTime	Time – ISO8601	54	HH:MM

Field	Data type	TRUM Field	Description
PriceIntervalQuantityDetails/intervalEndTime	Time – ISO8601	54	HH:MM
PriceIntervalQuantityDetails/quantity	Number	55	
PriceIntervalQuantityDetails/unit	String	56	
PriceIntervalQuantityDetails/PriceTimeInterval Quantity/value	Number	57	
PriceIntervalQuantityDetails/PriceTimeInterval Quantity/currency	String	57	
actionType	String	58	

TRADE LIST :

This block gives the list of the trades executed for the member

Field	Data type	TRUM Field	Description
RecordSeqNumber	Integer	-	
IdOfMarketParticipant/ace	String	1 & 2	
TraderID/traderIdForOrganisedMarket	String	3	
tradingCapacity	String	10	
buySellIndicator	String	11	
ContractInfo/contractId	String	21	
OrganisedMarketPlaceIdentifier/ace	String	27	
transactionTime	Date/Time – ISO8601	30	YYYY-MM-DDTHH:MM:SSSZ
uniqueTransactionIdentifier	String	31	New tradeID generated by ETS (equivalent to the OrderPeriodID if a trade is created)
linkedOrderId	String	33	New OrderPeriodID generated by ETS
PriceDetails/price	Number	35	
PriceDetails/priceCurrency	String	37	
NotionalAmountDetails/notionalAmount	Number	38	
NotionalAmountDetails/notionalCurrency	String	39	
Quantity/value	Number	40	
Quantity/unit	String	42	
TotalNotionalContractQuantity/Value	Number	41	
TotalNotionalContractQuantity/Unit	String	42	
cctionType	String	58	

4 API

API changes required for the Day-Ahead Market Auction are also according to the changes from the 60-minute to 30-minute resolution and time frame. This implies all order entry and result/trade publication APIs will have the following changes:

- Duration element: If the optional duration element is used, this must be changed from 60-minutes to 30-minutes
- All periods/points will either be entered or displayed to a maximum of 48 periods (46 periods for the short clock change day or 50 periods for the long clock change) rather than 24 periods (23 periods for the short clock change day or 25 periods for the long clock change)

