

# DataNewZ

**N° 2011-03**

17<sup>th</sup> October 2011

## **Introduction of Intraday SMS alerts for all data users and 15-minute contracts on German Intraday Market**

Dear EPEX SPOT member and data user,

Please find below the description for a new functionality pertaining to the introduction of Intraday SMS alerts to all data users immediately, as well as 15-minute contracts on EPEX SPOT's German Intraday market by the end of 2011.

### **Intraday SMS Alerts**

#### **1. Introduction**

The Intraday alarm SMS service sends out text messages to the user's mobile phone when price limits on EPEX SPOT Intraday market are broken for certain hours chosen by that user. It keeps the user abreast of any volatile market situations, and allows him/her to react if needed.

#### **2. Description**

- The subscription and setup steps will be done through the subscriber's EPEXme interface on EPEX SPOT's website
- The subscriber can choose to subscribe the SMS service for:
  - German Intraday
  - French Intraday
  - For both

There is a set of threshold per Intraday market i.e. one set for Germany and one set for France. A set of threshold is defined by an upper and lower value for each 24 delivery hour.

per Hour and Day (48 SMS max.)

Alarm mode Mobile phone number for receiving SMS

Suspend SMS delivery

Germany

Market area

Hour	Lower Limit	Upper Limit	Hour	Lower Limit	Upper Limit
01	-150.00 €/MWh	500.00 €/MWh	13	-150.00 €/MWh	500.00 €/MWh
02	-150.00 €/MWh	500.00 €/MWh	14	-150.00 €/MWh	500.00 €/MWh
03	-150.00 €/MWh	500.00 €/MWh	15	-150.00 €/MWh	500.00 €/MWh
04	-150.00 €/MWh	500.00 €/MWh	16	-150.00 €/MWh	500.00 €/MWh
05	-150.00 €/MWh	500.00 €/MWh	17	-150.00 €/MWh	500.00 €/MWh
06	-150.00 €/MWh	500.00 €/MWh	18	-150.00 €/MWh	500.00 €/MWh
07	-150.00 €/MWh	500.00 €/MWh	19	-150.00 €/MWh	500.00 €/MWh
08	-150.00 €/MWh	500.00 €/MWh	20	-150.00 €/MWh	500.00 €/MWh
09	-150.00 €/MWh	500.00 €/MWh	21	-150.00 €/MWh	500.00 €/MWh
10	-150.00 €/MWh	500.00 €/MWh	22	-150.00 €/MWh	500.00 €/MWh
11	-150.00 €/MWh	500.00 €/MWh	23	-150.00 €/MWh	500.00 €/MWh
12	-150.00 €/MWh	500.00 €/MWh	24	-150.00 €/MWh	500.00 €/MWh

- a. The default thresholds before modification are – 150 Euros for the lower limit and + 500 Euros for the upper limit
- b. Each threshold value can be modified by the user at the subscription but also anytime after the subscription
- c. The subscriber will have 2 choices in terms of setting up the frequency to receive the alert SMS:
  - One per (delivery) day per threshold i.e. the maximum number of SMS received per delivery date is 1 for upper threshold and 1 for lower threshold
  - One per hour per threshold (per delivery day) i.e. the maximum number of SMS received per delivery date is 24. (25 for long clock change) for upper threshold and 24 (25 for long clock change) for lower threshold
- d. The maximum number of SMS received per delivery date is doubled if the subscriber subscribes to the Intraday services for France and for Germany
- e. The delay to receive an SMS when one of the thresholds is reached is approximatively 15 minutes
- f. All intraday market trades (local and cross border trades) will be taken into account except:
  - Trades on blocks

- OTC trades
- Trades with a volume below 1 MW

For the subscription of the service for the German Intraday, trades with at least one side (buy/sell) in Germany are considered.

For the subscription of the service for the French Intraday, trades with at least one side (buy/sell) in France are considered.

### **3. Subscription**

The Intraday SMS alert package is priced at 1000 Euros plus VAT per year per number. A discount may be obtained after 2 subscriptions at full price. As the case with other EPEX SPOT data packages, the subscription process can be made on the EPEX SPOT website through the EPEXME account.

## 15-minute contracts

### 1. Introduction

EPEX SPOT plans to introduce **15-min contracts** on EPEX SPOT's German Intraday Market **by the end of the year**. The market results for the corresponding quarters of the hour will be displayed on the EPEX SPOT website on the existing German Intraday result pages. You will find below the description of the changes to expect in terms of web display, as well xls and csv file structure.

### 2. Description

The Intraday market result page will reflect the 15-minute contracts as shown below:

- Each hour label will display an arrow head which shows that the line can be expanded
- Each full hour could now be expanded, displaying then the 4 underlying quarters
- Once the line is expanded, the arrow head will point to the bottom, and the trading results of the four 15-minute periods of the hour will appear
- The columns remain unchanged
- This  $\frac{1}{4}$  of the hour transactions only pertain to the German Intraday market, not the French Intraday market.
- As no index is calculated for these products, the field remains empty (no dash, since dash means that a value may be added in the future)
- The market results for an hourly product and those for the 15-minute periods are completely independent.

market transparency
Exchange Transparency (Graphs)
Exchange Transparency (Documents)
Historical data
Market Data Subscriptions
Info-User End-of-Day Power
Info-Media End-of-Day Power
Info-Media End-of-Day Vendor Power
Info-Student Power
SMS-User Power
Market Data Report Power
Market Data Forms
Holiday Calendar

	03/07/2011								04/07/2011							
	Base: 24.36				Peak: 28.73				Base: –				Peak: –			
Index (€/MWh)	Low (€/MWh)	High (€/MWh)	Last (€/MWh)	Weight. Avg. (€/MWh)	Index (€/MWh)	Buy Vol (MWh)	Sell Vol (MWh)	Low (€/MWh)	High (€/MWh)	Last (€/MWh)	Weight. Avg. (€/MWh)	Index (€/MWh)	Buy Vol (MWh)	Sell Vol (MWh)		
▶ 00 - 01	18.00	29.00	18.00	24.47	24.47	50.0	150.0	30.00	51.00	51.00	44.74	–	175.0	45.0		
▶ 01 - 02	1.00	18.00	1.50	5.76	5.76	139.0	5.0	18.00	22.00	18.00	20.00	–	100.0	100.0		
▶ 02 - 03	0.00	7.00	0.00	0.97	0.97	29.0	–	18.00	18.00	18.00	18.00	–	50.0	50.0		
▶ 03 - 04	0.00	10.00	10.00	3.14	3.14	54.0	20.0	17.00	17.00	17.00	17.00	–	65.0	65.0		
▶ 04 - 05	2.00	8.00	4.00	6.15	6.15	164.0	–	17.00	17.00	17.00	17.00	–	81.0	81.0		
▼ 05 - 06	–	–	–	–	5.03	–	–	9.00	20.00	20.00	16.76	–	85.0	85.0		
05:00 - 05:15	6.00	6.00	6.00	6.00	6.00	4.0	–	18.00	25.00	25.00	20.88	–	85.0	85.0		
05:15 - 05:30	6.00	6.00	6.00	6.00	6.00	4.0	–	18.00	25.00	25.00	20.88	–	85.0	85.0		
05:30 - 05:45	8.00	8.00	8.00	8.00	8.00	4.0	–	50.00	55.41	50.00	51.51	–	15.0	18.0		
05:45 - 06:00	12.00	21.00	21.00	20.71	20.71	156.0	–	53.00	58.83	55.00	54.58	–	50.0	181.0		
▶ 07 - 08	8.00	8.00	8.00	8.00	8.00	4.0	–	50.00	55.41	50.00	51.51	–	15.0	18.0		
▶ 08 - 09	12.00	21.00	21.00	20.71	20.71	156.0	–	53.00	58.83	55.00	54.58	–	50.0	181.0		
09 - 10	22.00	26.00	26.00	23.50	23.50	160.0	3.0	57.25	70.00	64.00	62.99	–	198.0	50.0		
10 - 11	30.00	35.00	31.00	30.98	30.98	105.0	–	58.00	71.00	70.00	67.67	–	427.0	25.0		
11 - 12	30.00	40.00	31.50	32.47	32.47	58.0	214.0	59.00	71.00	64.00	65.06	–	204.0	40.0		
12 - 13	34.00	36.00	35.50	35.01	35.01	19.0	445.0	57.00	67.50	65.00	63.20	–	353.0	40.0		
13 - 14	28.00	34.50	29.50	30.09	30.09	115.0	360.0	53.05	63.00	56.00	57.87	–	159.0	44.0		
14 - 15	30.50	31.50	31.50	31.21	31.21	13.0	184.0	54.00	63.00	54.00	57.17	–	257.0	15.0		
15 - 16	25.00	25.00	25.00	25.00	25.00	–	50.0	53.00	55.00	55.00	54.29	–	55.0	10.0		
16 - 17	33.00	33.00	33.00	33.00	33.00	41.0	41.0	51.00	53.50	53.50	51.68	–	10.0	110.0		
17 - 18	15.00	25.00	15.00	19.82	19.82	56.0	56.0	57.00	57.00	57.00	57.00	–	25.0	25.0		
18 - 19	25.00	25.00	25.00	25.00	25.00	100.0	100.0	–	–	–	–	–	–	–		

### 3. Historical data

The German Intraday historical data will be offered in excel and csv tables in the historical section of the website, as well as on the ftp server.

#### a. Website

Transaction file:

- Subsequent trading of ¼ of the hour products will be added
- A 15-minute period referred as quarter hour will be labeled as: the Hour number followed by the letters 'qh' followed by the number 1 through 4 representing the sequence of the 15-minute block, i.e. 1 for :00 to :15, 2 for :15 to :30, etc.
- The display for the hour itself does not change

## 21/7/11 10:48 AM Transaction Values - EPEX Spot Intraday Trading - Germany

Date	Market Area Buy	Market Area Sell	Hour from	Hour to	Volume (MW)	Price (EUR)	Time Stamp
21/07/2011	DE	DE	15	15	70,0	50,00	21/07/2011 10:23:00
21/07/2011	DE	DE	13	13	25,0	46,00	21/07/2011 10:23:00
21/07/2011	DE	DE	13	13	1,0	49,00	21/07/2011 10:23:00
21/07/2011	DE	DE	13	13	20,0	48,00	21/07/2011 10:23:00
21/07/2011	DE	DE	13	13	15,0	46,00	21/07/2011 10:23:00
21/07/2011	DE	DE	13	13	50,0	47,00	21/07/2011 10:23:00
21/07/2011	FR	DE	15	15	15,0	50,00	21/07/2011 10:23:00
21/07/2011	DE	DE	13	13	14,0	46,00	21/07/2011 10:23:00
21/07/2011	DE	DE	15	15	5,0	51,00	21/07/2011 10:22:00
21/07/2011	DE	DE	14	14	5,0	51,00	21/07/2011 10:22:00
21/07/2011	DE	DE	18qh2	18qh2	2,0	11,00	21/07/2011 10:21:00

### Market result file:

- Addition of ¼ of the hour trading results
- A 15-minute period referred as quarter hour will be labeled as: the Hour number followed by the letters 'qh' followed by the number 1 through 4 representing the sequence of the 15-minute period, i.e. 1 for :00 to :15, 2 for :15 to :30, etc.
- The display for the hour itself does not change
- Indices will not be calculated for all 15-minute periods
- 15-minute periods can be traded as blocks
- Addition of the weighted average price in a last column as displayed on the intraday tables on the EPEX SPOT website. Contrary to the index value, this weighted average price is updated as transactions are added on the file; there is no value when there are no trades.

## 12/10/11 3:33 PM Hour Values - EPEX Spot Intraday Trading - Germany

Delivery Date	Hour from	Hour to	Volume Buy (MW)	Volume Sell (MW)	Low Price (EUR/MWh)	High Price (EUR/MWh)	Last Price (EUR/MWh)	Time Stamp of Last Price	Index Price (EUR)	Weighted Average Price (EUR)
11/10/2011	24	24	2573,3	2535,3	32,00	55,00	99,00	11/10/2011 22:14:00	46.83000	46.83000
11/10/2011	23	23	2346	2076	45,00	69,50	54,50	11/10/2011 21:14:00	53.94000	53.94000
11/10/2011	22	22	2411	2559	38,00	65,00	55,00	11/10/2011 20:14:00	51.44000	51.44000
11/10/2011	21	21	2539	2484	49,00	90,00	77,00	11/10/2011 19:13:00	64.98000	64.98000
11/10/2011	20	20	3301	3227	50,00	107,00	107,00	11/10/2011 18:14:00	80.03000	80.03000
11/10/2011	19	19	3486	3495	45,15	83,00	79,00	11/10/2011 17:14:00	61.76000	61.76000
11/10/2011	18	18	2827	2166	43,00	66,00	65,00	11/10/2011 16:13:00	50.64000	50.64000
11/10/2011	17	17	2872	2484	36,10	56,00	38,00	11/10/2011 15:14:00	48.52000	48.52000
11/10/2011	16	16	2839	2835	43,00	69,50	67,00	11/10/2011 14:14:00	51.93000	51.93000
11/10/2011	15	15	3364	3590	35,00	56,50	36,50	11/10/2011 13:12:00	47.31000	47.31000
11/10/2011	14	14	3556	3653	35,50	63,00	36,00	11/10/2011 12:14:00	50.80000	50.80000
11/10/2011	14qh1	14qh1	1250	1425	36,00	31,25	30,75	11/10/2011 12:13:00		
11/10/2011	14qh2	14qh2	1522	952	37,52	56,00	45,10	11/10/2011 12:11:00		

### b. FTP server

### Transaction file:

- Subsequent trading of ¼ of the hour products will be added

- A 15-minute period referred as quarter hour will be labeled as: the Hour number followed by the letters 'qh' followed by the number 1 through 4 representing the sequence of the 15-minute block, i.e. 1 for :00 to :15, 2 for :15 to :30, etc.
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21/07/2011	DE	DE	13	13	25,0	46,00	21/07/2011 10:23:00
21/07/2011	DE	DE	13	13	1,0	49,00	21/07/2011 10:23:00
21/07/2011	DE	DE	13	13	20,0	48,00	21/07/2011 10:23:00
21/07/2011	DE	DE	13	13	15,0	46,00	21/07/2011 10:23:00
21/07/2011	DE	DE	13	13	50,0	47,00	21/07/2011 10:23:00
21/07/2011	FR	DE	15	15	15,0	50,00	21/07/2011 10:23:00
21/07/2011	DE	DE	13	13	14,0	46,00	21/07/2011 10:23:00
21/07/2011	DE	DE	15	15	5,0	51,00	21/07/2011 10:22:00
21/07/2011	DE	DE	14	14	5,0	51,00	21/07/2011 10:22:00
21/07/2011	DE	DE	18qh2	18qh2	2,0	11,00	21/07/2011 10:21:00

### Market result file:

- Addition of ¼ of the hour trading results
- A 15-minute period referred as quarter hour will be labeled as: the Hour number followed by the letters 'qh' followed by the number 1 through 4 representing the sequence of the 15-minute period, i.e. 1 for :00 to :15, 2 for :15 to :30, etc.
- The display for the hour itself does not change
- Indices will not be calculated for all 15-minute periods
- 15-minute periods can be traded as blocks
- Addition of the weighted average price in a last column as displayed on the intraday tables on the EPEX SPOT website. Contrary to the index value, this weighted average price is updated as transactions are added on the file; there is no value when there are no trades.

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Delivery Date	Hour from	Hour to	Volume Buy (MW)	Volume Sell (MW)	Low Price (EUR/MWh)	High Price (EUR/MWh)	Last Price (EUR/MWh)	Time Stamp of Last Price	Index Price (EUR)	Weighted Average Price (EUR)
11/10/2011	24	24	2573,3	2535,3	32,00	55,00	99,00	11/10/2011 22:14:00	46.83000	46.83000
11/10/2011	23	23	2346	2076	45,00	69,50	54,50	11/10/2011 21:14:00	53.94000	53.94000
11/10/2011	22	22	2411	2559	38,00	65,00	55,00	11/10/2011 20:14:00	51.44000	51.44000
11/10/2011	21	21	2539	2484	49,00	90,00	77,00	11/10/2011 19:13:00	64.98000	64.98000
11/10/2011	20	20	3301	3227	50,00	107,00	107,00	11/10/2011 18:14:00	80.03000	80.03000
11/10/2011	19	19	3486	3495	45,15	83,00	79,00	11/10/2011 17:14:00	61.76000	61.76000
11/10/2011	18	18	2827	2166	43,00	66,00	65,00	11/10/2011 16:13:00	50.64000	50.64000
11/10/2011	17	17	2872	2484	36,10	56,00	38,00	11/10/2011 15:14:00	48.52000	48.52000
11/10/2011	16	16	2839	2835	43,00	69,50	67,00	11/10/2011 14:14:00	51.93000	51.93000
11/10/2011	15	15	3364	3590	35,00	56,50	36,50	11/10/2011 13:12:00	47.31000	47.31000
11/10/2011	14	14	3556	3653	35,50	63,00	36,00	11/10/2011 12:14:00	50.80000	50.80000
11/10/2011	14qh1	14qh1	1250	1425	36,00	31,25	30,75	11/10/2011 12:13:00		
11/10/2011	14qh2	14qh2	1522	952	37,52	56,00	45,10	11/10/2011 12:11:00		

## 4. Specifications

<b>Trading procedure</b>	Continuous
<b>Trading days</b>	Year around, 24/7
<b>Tradable contracts (Expiries)</b>	Four 15-minute contracts open per corresponding underlying hour e.g For Hour 01, the following 15-minute contracts will open: <ul style="list-style-type: none"> <li>■ 00:00-00:15</li> <li>■ 00:15-00:30</li> <li>■ 00:30-00:45</li> <li>■ 00:45-01:00</li> </ul>
<b>Trading session opens/closes</b>	15-minute contracts <b>open two hours before the start of the delivery</b> of the corresponding underlying hour. It <b>closes 45 minutes before the start of the 15-minute contracts delivery</b> . In the above example, the 15-minute contracts open at 10:00 pm: <ul style="list-style-type: none"> <li>■ 00:00-00:15 is tradable until 11:15 pm</li> <li>■ 00:15-00:30 is tradable until 11:30 pm</li> <li>■ 00:30-00:45 is tradable until 11:45 pm</li> <li>■ 00:45-01:00 is tradable until midnight</li> </ul>
<b>Trading closes</b>	45 minutes before delivery
<b>Minimum price increment</b>	0.01 €/MWh
<b>Minimum Volume Increment</b>	1 MW
<b>Minimum and maximum price</b>	-9999.00 €/MWh- 9999.00 €/MWh
<b>Single-contract Orders &amp; Block Orders</b>	
<b>Definition</b>	Single Contract Orders combine a price and a quantity for an Expiry. Block Orders combine several Expiries with a minimum of two contiguous Expiries on the same Delivery Day which depend on each other in their execution. Pre-defined block orders exist but the Exchange Participant is not restricted in the determination of the Block Orders. A Block Order cannot mix Orders on individual hour contracts and orders on 15- minute contracts.
<b>Execution conditions</b>	Same as for hourly products





## 5. Subscription

The new data will be included in the standard Intraday end-of-day and delayed data packages.

Your contacts	
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