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- **SISTEMUL DE TRANZACȚIONARE AL PZU**

Evidențierea modificărilor în noua versiune a sistemului de tranzacționare al PZU, adaptată funcționării în regim cuplat al piețelor



Notă: Datele din exemplele folosite în cadrul prezentării nu reprezintă date ale participanților, ci sunt date introduse de operator în scopul testării sistemului de tranzacționare, respectiv al prezentării exemplelor de capturi ale sistemului de tranzacționare



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Meniul principal, Ecranul Porți (1)

Day-Ahead Market System

Gates

System time		2014-10-31 20:40:23				
Gates	Open Date	Close Date	Delivery Day	Opened	Closed	
market nomination submission	07:00:00	08:00:00	2014-11-01	✓	✓	
Offer submission	07:00:00	11:15:00	2014-11-01	✓	✓	
Market proposal early submission 1	07:00:00	20:00:00	2014-11-02	✓	✓	
Market proposal early submission 2	07:00:00	20:00:00	2014-11-03	✓	✓	
Market proposal early submission 3	07:00:00	20:00:00	2014-11-04	✓	✓	
Market proposal early submission 4	07:00:00	20:00:00	2014-11-05	✓	✓	
Market proposal early submission 5	07:00:00	20:00:00	2014-11-06	✓	✓	
Market proposal early submission 6	07:00:00	20:00:00	2014-11-07	✓	✓	
Matching process	14:15:00	12:00:00	2014-11-01	✓	✓	
Objection	12:00:00	12:30:00	2014-11-01	✓	✓	
Physical notification	12:50:00	13:00:00	2014-11-01	✓	✓	

Manual gate

Date-Time | **Participant** | **Message**

2014-10-31 09:41:18 | | Operator message: Termenul pentru transmiterea confirmării de participare la instruirea on-line privind noua versiune a ST-PZU programată începând cu 04.11 (Detalii în: Anunțuri-Serviciu Mesaje operationale/OPCOM) a fost prelungit până astăzi, sfârșitul zilei..



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Meniul principal, Ecranul Porți (2)

The screenshot displays the 'Gates' section of the e-terramarket web application. The interface includes a navigation menu with options like Participant, Market Operator, TSO, Market clearing, System, File, and Preferences. The main content area shows a table of market gates with columns for Gates, Open Date CET, Close Date CET, Delivery Day CET, Opened, and Closed. Below the table, there is a message area indicating no messages for today.

System time: 2014-11-27 10:04:00 CET

Gates	Open Date CET	Close Date CET	Delivery Day CET	Opened	Closed
Offer submission ✓	10:00:00	14:00:00	2014-11-28	✓	
ATC Submission	12:45:00	14:00:00	2014-11-28		
ATC Publication	13:00:00	14:00:00	2014-11-28		
Offer Verification	14:00:00	14:05:00	2014-11-28		
Matching process	14:05:00	14:40:00	2014-11-28		
Results Publication	14:40:00	14:50:00	2014-11-28		
Objection	14:50:00	15:10:00	2014-11-28		
Physical notification	15:10:00	15:20:00	2014-11-28		
Early Market Submission ✓	07:00:00	19:00:00	2014-11-29	✓	
Early Market Submission ✓	07:00:00	19:00:00	2014-11-30	✓	
Early Market Submission ⚠	07:00:00	19:00:00	2014-12-01	✓	
Early Market Submission ⚠	07:00:00	19:00:00	2014-12-02	✓	
Early Market Submission ⚠	07:00:00	19:00:00	2014-12-03	✓	
Early Market Submission ⚠	07:00:00	19:00:00	2014-12-04	✓	

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



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Lista ofertelor (1)

Filters

Delivery Day: 2004-08-12 | Offer Type: Sell | Trading Zone: Romania | Trading Interval: All | Version: Last version

Energy Offers

Offer Identification Code	Reception Time	Offer Internal Code	Version	Offer Type	Trading Zone	Participant Code	Delivery Date	Trading Interval	Valid	Block Details	Action
SELL1	2004-08-10 12:31:00	28578	1	Sell	Romania	A_PARTY	2004-08-12	1	✓	Details	Modify Cancel
SELL2	2004-08-10 12:31:00	28579	1	Sell	Romania	A_PARTY	2004-08-12	2	✓	Details	Modify Cancel
SELL3	2004-08-10 12:31:00	28580	1	Sell	Romania	A_PARTY	2004-08-12	3	✓	Details	Modify Cancel

Navigation: (1/1) 10

[New](#)



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Lista ofertelor (2)

Participant Market Operator TSO System File Preferences

Participant > View buy bids

Block Definition
Buy Offers
Sell Offers

Delivery Day CET: 2014-11-29

Parti: PARTIC

Version: Last version

Reception Time CET	Version	Area	Participant	Direction	Delivery Day CET	Valid	Cancelled	Details	Cancel
2014-11-27 15:21:00	1	Romania	PARTICIPANT	BUY	2014-11-29	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Details	Cancel

First Rewind Previous 1 Next Forward Last Total: 1 10

Participant Market Operator TSO System File Preferences

Participant > View sell bids

Block Definition
Buy Offers
Sell Offers

Delivery Day CET: 2014-11-29

Parti: PARTIC

Version: Last version

Reception Time CET	Version	Area	Participant	Direction	Delivery Day CET	Valid	Cancelled	Details	Cancel
2014-11-28 10:02:00	9	Romania	PARTICIPANT	SELL	2014-11-29	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Details	Cancel

First Rewind Previous 1 Next Forward Last Total: 1 10

Prezentare sistem de tranzacționare al PZU – Evidențierea modificărilor în noua versiune adaptată pentru proiectul 4M MC



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Introducere ofertă orară – Ofertă de vânzare (1)

No.	Quantity	Price
1	100.000	10000.00
2	200.000	20000.00
3	300.000	30000.00
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		



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Introducere ofertă orară – Ofertă de vânzare (2)

Participant Market Operator TSO System File Preferences

? Participant >> View sell bids

Delivery Day CET	Participant	Area	Version	Currency	
2014-11-30	PARTICIPANT	Romania	0	RON	<input type="button" value="Save"/> <input type="button" value="Save&Exit"/> <input type="button" value="Download"/> <input type="button" value="Exit"/>

Single Hour Bids

Block Hour Bids

Price (RON/MWh)	-2210.00	-300	100	250	13260.00
Hours	Pmin	2	3	4	Pmax
00:00-01:00 (Lot)		70			80
01:00-02:00 (Lot)					
02:00-03:00 (Lot)					
03:00-04:00 (Lot)			15		
04:00-05:00 (Lot)					
05:00-06:00 (Lot)					
06:00-07:00 (Lot)					
07:00-08:00 (Lot)					
08:00-09:00 (Lot)					
09:00-10:00 (Lot)					
10:00-11:00 (Lot)					
11:00-12:00 (Lot)					
12:00-13:00 (Lot)					
13:00-14:00 (Lot)					
14:00-15:00 (Lot)					
15:00-16:00 (Lot)					
16:00-17:00 (Lot)					

Principiile de ofertare pentru ofertele orare se pastreaza:

- Oferte treapta
- Cantitati care se cumuleaza
- Oferta de vanzare nu inlocuieste oferta de cumparare
- Oferta de cumparare nu inlocuieste oferta de vanzare

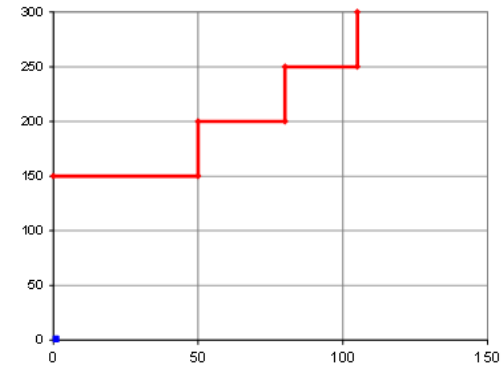


Introducere ofertă orară - Ofertă de vânzare (3)

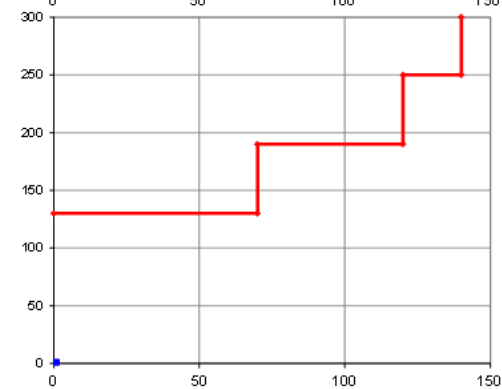
ATENȚIE: Cantitățile din perechile de oferta cantitate – pret se cumulează. Pentru un pret de oferta, cantitatea care poate fi tranzacționată cumulează cantitățile oferite pe același interval de tranzacționare la pretul mai mic pentru ofertele de vânzare, respectiv la pretul mai mare pentru ofertele de cumpărare.

Ofertă de vânzare Int.1		
#	Cantitate	Pret
	[MWh/h]	[RON/MWh]
1	50	150
2	30	200
3	25	250

Ofertă de vânzare Int.2		
#	Cantitate	Pret
	[MWh/h]	[RON/MWh]
1	70	130
2	50	190
3	20	250



Int.1



Int.2

Prețuri	-2250	130	150	190	200	250	13500	Cantități
Intervalul 1			50		30	25		
Intervalul 2		70		50		20		
Intervalul 3								
Intervalul 4								
Intervalul 5								



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Introducere ofertă orară - Ofertă de cumpărare (1)

Offer Identification Code:

Participant:

Offer Type:

Trading Zone:

Delivery Date:

Trading Interval:

Version:

No.	Quantity	Price
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		



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Introducere ofertă orară - Ofertă de cumpărare (2)

Participant Market Operator TSO System File Preferences

? **Participant** > View buy bids

Delivery Day CET	Participant	Area	Version	Currency		
2014-11-30	PARTICIPANT	Romania	0	RON	<input type="button" value="Save"/>	<input type="button" value="Save&Exit"/>
		<input type="button" value="Download"/>	<input type="button" value="Exit"/>			

Single Hour Bids

Block Hour Bids

Price (RON/MWh)	13260.00	300	200	100	-2210.00
Hours	Pmax	2	3	4	Pmin
00:00-01:00 (Lot)		20			30
01:00-02:00 (Lot)					
02:00-03:00 (Lot)			15		
03:00-04:00 (Lot)					
04:00-05:00 (Lot)					
05:00-06:00 (Lot)					
06:00-07:00 (Lot)					
07:00-08:00 (Lot)					
08:00-09:00 (Lot)					
09:00-10:00 (Lot)					
10:00-11:00 (Lot)					
11:00-12:00 (Lot)					
12:00-13:00 (Lot)					
13:00-14:00 (Lot)					
14:00-15:00 (Lot)					
15:00-16:00 (Lot)					
16:00-17:00 (Lot)					



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Meniul încărcare fișier(1)

The screenshot shows the 'Day-Ahead Market System' interface. On the left is a navigation menu with categories: Participant, Market Operator, System, File, and Preferences. The 'File' category is expanded, showing 'Upload', 'Download', and 'Preferences'. The 'Upload' option is selected. The main content area displays an 'Upload' dialog box with 'File Selection' (a text input field and a 'Browse...' button) and 'File Type Selection' (a dropdown menu set to 'Energy Offer'). A 'Send' button is located at the bottom of the dialog. At the bottom of the page, there is a 'Message' table.

Date-Time	Participant	Message
2014-10-31 09:41:18		Operator message: Termenul pentru transmiterea confirmării de participare la instruirea on-line privind noua versiune a ST-PZU programata incepand cu 04.11 (Detalii in: Anunturi-Stiri/... operationale/OPCOM) a fost prelungit pana astazi, sfarsitul zilei..

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Meniul încărcare fișier (2)

The screenshot shows a web browser window displaying the opcom e-terramarket upload interface. The browser address bar shows the URL `http://10.221.0.224:8080/dam/core/upload/initUpload.do`. The page title is "PARTICIPANT" and the browser tab is "Day-Ahead Market System ...". The browser's address bar shows several tabs: "DAM 4MMC Operator", "MO2-1", "MO2-2", "MO2-3", "Suggested Sites", "Web Slice Gallery", "Simulare", and "NROAPS4-operator". The page header features the opcom logo on the left, a navigation menu with "Participant", "Market Operator", "TSO", "System", "File", and "Preferences", and the "e-terramarket" logo on the right. The user is logged in as "PARTICIPANT" and the page is powered by "ALSTOM Grid". The main content area is titled "File >> Upload" and contains an "Upload" form with the following fields: "File Selection" with a "Browse..." button, "File Type Selection" with a dropdown menu set to "Energy Offer", and a "Send" button. At the bottom of the page, there is a "Message" section with a table header "Date-Time Participant" and a message: "There are no messages for today." The browser's status bar at the bottom right shows a zoom level of 120%.

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Meniul descărcare fișier (1)

Download

Submission Date 2004-07-22 **File Type** Energy Offer

Date	Name	Message Identification	Message Version	Download
2004-07-22 11:03:23	SellOffer_TERMO_24072004.xml	TP1S1	1	

Navigation: ⏪ ⏩ ⏴ ⏵ 1 ⏴ ⏵ ⏪ ⏩ (1/1) 10



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Meniul descărcare fișier (2)

File >> Download

Submission Date CET: 2014-11-28
 Sender: PARTICIPANT
 Receiver: ...
 File Type: Energy Offer

Date CET	Name	Identification	Version	Sender	Receiver	Valid	Download
2014-11-28 14:40:01	PARTICIPANT12_2014-11-30_1_.xml	10YRO-TEL-----P_2014-11-30_SELL_1	1	PARTICIPANT	OPCOM	✓	Download
2014-11-28 14:40:01	PARTICIPANT12_2014-11-30_1_.xml	-	0	PARTICIPANT	-	✗	Download
2014-11-28 14:40:01	PARTICIPANT12_2014-11-30_1_.xml	-	0	PARTICIPANT	-	✗	Download
2014-11-28 14:40:01	PARTICIPANT12_2014-11-30_2_.xml	10YRO-TEL-----P_2014-11-30_SELL_2	2	PARTICIPANT	OPCOM	✓	Download
2014-11-28 14:40:01	PARTICIPANT12_2014-11-30_3_.xml	10YRO-TEL-----P_2014-11-30_SELL_3	3	PARTICIPANT	OPCOM	✓	Download
2014-11-28 14:40:01	PARTICIPANT12_2014-11-30_3_.xml	-	0	PARTICIPANT	-	✗	Download
2014-11-28 14:40:01	PARTICIPANT12_2014-11-30_4_.xml	10YRO-TEL-----P_2014-11-30_SELL_4	4	PARTICIPANT	OPCOM	✓	Download
2014-11-28 10:02:00	PARTICIPANT12_2014-11-29_8_.xml	10YRO-TEL-----P_2014-11-29_SELL_8	8	PARTICIPANT	OPCOM	✓	Download
2014-11-28 10:02:00	PARTICIPANT12_2014-11-29_9_.xml	10YRO-TEL-----P_2014-11-29_SELL_9	9	PARTICIPANT	OPCOM	✓	Download
2014-11-28 06:03:00	PARTICIPANT12_2014-11-29_2_.xml	-	0	PARTICIPANT	-	✗	Download

First | Rewind | Previous | 1 | 2 | Next | Forward | Last | Total: 2 | 10



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Lista de înregistrări (Audit Trail) (1)

The screenshot shows the 'Day-Ahead Market System' interface with the 'Audit Trail' section active. The interface includes a navigation menu on the left, a filter section at the top, and a main table of audit entries. A red diagonal line is drawn across the entire screenshot.

Market Operator

- Trade confirmations
- Priority nomination
- Collateral Guarantee
- Volume Limits

System

- Gates
- Audit Trail
- Technical Log

File

- Upload
- Download
- Preferences
- Language

Audit Trail

Message Date: 2014-10-31
User Filter: All
Action Filter: All

Time	Participant	User	Message
2014-10-31 20:00:35		SYSTEM	Market proposal early submission 5 gate for delivery day 2014-11-06 was closed.
2014-10-31 20:00:35		SYSTEM	Market proposal early submission 3 gate for delivery day 2014-11-04 was closed.
2014-10-31 20:00:35		SYSTEM	Market proposal early submission 2 gate for delivery day 2014-11-03 was closed.
2014-10-31 20:00:35		SYSTEM	Market proposal early submission 1 gate for delivery day 2014-11-02 was closed.
2014-10-31 20:00:35		SYSTEM	Market proposal early submission 6 gate for delivery day 2014-11-07 was closed.
2014-10-31 20:00:35		SYSTEM	Market proposal early submission 4 gate for delivery day 2014-11-05 was closed.
2014-10-31 19:39:46	PARTICIPANT	PARTICIPANT	User PARTICIPANT was logged in the system from host 10.221.0.183 (10.221.0.183).
2014-10-31 19:26:31	PARTICIPANT	PARTICIPANT	User PARTICIPANT was logged in the system from host 10.221.0.183 (10.221.0.183).
2014-10-31 19:25:59	PARTICIPANT	PARTICIPANT	User PARTICIPANT was logged in the system from host 10.221.0.183 (10.221.0.183).
2014-10-31 14:42:17	PARTICIPANT	PARTICIPANT	User PARTICIPANT was logged in the system from host 10.221.0.183 (10.221.0.183).
2014-10-31 13:00:17		SYSTEM	Physical notification gate for delivery day 2014-11-01 was closed.
2014-10-31 12:52:42		SYSTEM	Physical notification gate was opened between 12:50 and 13:00 for delivery day 2014-11-01.
2014-10-31 12:50:19		SYSTEM	MCP results for delivery day 2014-11-01 were published.
2014-10-31 12:50:19		SYSTEM	Market clearing price file MCPMessage_2014-11-01.xml generated for delivery day 2014-11-01.
2014-10-31 12:30:18		SYSTEM	Objection gate for delivery day 2014-11-01 was closed.
2014-10-31 12:00:42		SYSTEM	Objection gate was opened between 12:00 and 12:30 for delivery day 2014-11-01.
2014-10-31 12:00:42		SYSTEM	Matching process gate for delivery day 2014-11-01 was closed.
2014-10-31 12:00:42		SYSTEM	Trade confirmations for delivery day 2014-11-01 are ready.
2014-10-31 12:00:13		SYSTEM	Market Clearing Price undefined for trading zone Ukraine, delivery day 2014-11-01 and trading interval 24.
2014-10-31 12:00:13		SYSTEM	Market Clearing Price undefined for trading zone Ukraine, delivery day 2014-11-01 and trading interval 23.

Summary:

Date-Time	Participant	Message
2014-10-31 09:41:18		Operator message: Termenul pentru transmiterea confirmării de participare la instruirea on-line privind noua versiune a ST-PZU programată începând cu 04.11 (Detalii în: Anunțuri/Știri/Mesaje operaționale/OPCOM) a fost prelungit până astăzi, sfârșitul zilei..



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Lista de înregistrări (Audit Trail) (2)

The screenshot shows the 'Audit Trail' section of the e-terramarket system. At the top, there is a navigation bar with the opcom logo, 'e-terramarket' branding, and the username 'PARTICIPANT'. Below this is a menu with options: Participant, Market Operator, TSO, System, File, and Preferences. The main content area is titled 'System > Audit Trail' and includes filters for 'Message Date CET' (set to 2014-11-28), 'User Filter' (set to All), and 'Action Filter' (set to All). A 'New Message' button is also present. The central part of the interface is a table with the following columns: Time CET, Participant, User, and Message. The table contains 17 rows of messages, all from the SYSTEM user, detailing market clearing price undefined for various trading zones (Hungary and Serbia) and trading intervals. At the bottom of the table, there are navigation controls: First, Rewind, Previous, 1, 2, 3, 4, 5, Next, Forward, Last, Total: 10, and a dropdown menu set to 20. Below the table, there is a section for 'Date-Time Participant' and 'Message', which currently displays 'There are no messages for today.' The browser's address bar shows the URL 'http://10.221.0.224:8080/dam/participant/viewAuditTrail.do'.

Time CET	Participant	User	Message
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Hungary, delivery day 2014-11-29 00:00:00 and trading interval 17.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Hungary, delivery day 2014-11-29 00:00:00 and trading interval 18.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Hungary, delivery day 2014-11-29 00:00:00 and trading interval 19.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Hungary, delivery day 2014-11-29 00:00:00 and trading interval 20.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Hungary, delivery day 2014-11-29 00:00:00 and trading interval 21.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Hungary, delivery day 2014-11-29 00:00:00 and trading interval 22.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Hungary, delivery day 2014-11-29 00:00:00 and trading interval 23.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Hungary, delivery day 2014-11-29 00:00:00 and trading interval 24.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 1.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 2.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 3.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 4.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 5.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 6.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 7.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 8.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 9.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 10.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 11.
2014-11-28 14:40:01		SYSTEM	Market Clearing Price undefined for trading zone Serbia, delivery day 2014-11-29 00:00:00 and trading interval 12.



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Jurnal Tehnic (Technical Log) (1)

The screenshot shows the 'Day-Ahead Market System' interface. The main content area is titled 'Technical Log' and contains a table with the following columns: Time, Message, Category, Severity, and Details. The table is currently empty. Below the table, there are navigation controls including arrows and a page size dropdown set to '10'. At the bottom of the interface, there is a summary table with the following data:

Date-Time	Participant	Message
2014-10-31 09:41:18		Operator message: Termenul pentru transmiterea confirmării de participare la instruirea on-line privind noua versiune a ST-PZU programată începând cu 04.11 (Detalii în: Anunțuri / Mesaje operaționale/OPCOM) a fost prelungit până astăzi, sfârșitul zilei..

Prezentare sistem de tranzacționare al PZU – Evidențierea modificărilor în noua versiune adaptată pentru proiectul 4M MC



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Jurnal Tehnic (Technical Log) (2)

The screenshot shows a web browser window displaying the 'Technical Log' page. The browser address bar shows 'http://10.221.0.224:8080/dam/core/techLogList.do'. The page header includes the opcom logo, 'e-terramarket' branding, and the username 'PARTICIPANT'. A navigation menu contains 'Participant', 'Market Operator', 'TSO', 'System', 'File', and 'Preferences'. The main content area is titled 'System > Technical Log' and features a filter section with 'Message Date CET' (2014-11-28), 'User' (PARTICIPANT), 'Severity' (All), and 'Category' (All). Below the filters is a table of log entries.

Time	Message	Category	Severity	Details
2014-11-28 14:40:01	The file PARTICIPANT12_2014-11-30_1.xml was not imported in the system	energyoffer	error	Details
2014-11-28 14:40:01	The file PARTICIPANT12_2014-11-30_3.xml was not imported in the system	energyoffer	error	Details
2014-11-28 14:40:01	The file PARTICIPANT12_2014-11-30_1.xml was not imported in the system	energyoffer	error	Details
2014-11-28 14:40:01	Energy offer message with identification 10YRO-TEL-----P_2014-11-30_SELL_3 and type X02 sent by party with identification PARTICIPANT12 and coding scheme A01 for delivery day 2014-11-30 was successfully inserted in the system.	energyoffer	info	Details
2014-11-28 14:40:01	Energy offer message with identification 10YRO-TEL-----P_2014-11-30_SELL_4 and type X02 sent by party with identification PARTICIPANT12 and coding scheme A01 for delivery day 2014-11-30 was successfully inserted in the system.	energyoffer	info	Details
2014-11-28 14:40:01	Energy offer message with identification 10YRO-TEL-----P_2014-11-30_SELL_1 and type X02 sent by party with identification PARTICIPANT12 and coding scheme A01 for delivery day 2014-11-30 was successfully inserted in the system.	energyoffer	info	Details
2014-11-28 14:40:01	Energy offer message with identification 10YRO-TEL-----P_2014-11-30_SELL_2 and type X02 sent by party with identification PARTICIPANT12 and coding scheme A01 for delivery day 2014-11-30 was successfully inserted in the system.	energyoffer	info	Details

Navigation controls at the bottom of the table include: First | Rewind | Previous | 1 | Next | Forward | Last | Total: 1 | 10

Below the table, there is a section for 'Date-Time Participant' with the message: 'There are no messages for today.'



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Confirmările de tranzacții (1)

Filters
 Delivery Day: 2004-07-13 | Offer Type: All | Trading Zone: All | Trading Interval: All | Objection?: All

Trade confirmations												
Offer Identification Code	Offer Internal Code	Offer Type	Participant	Trading Zone	Trading Interval	Trade confirmation id	Version	Objection	Proposed	Cleared	Market clearing price	Actions
Buy1	12576	Buy	A_PARTY	Romania	1	16572	1		50.000	30.000	50.00	Objection Reason
Sell1	12576	Sell	A_PARTY	Romania	1	16417	1		30.000	13.400	50.00	Objection Reason
Buy2	17578	Buy	A_PARTY	Romania	2	16926	1		50.000	30.000	40.00	Objection Reason
Sell2	22650	Sell	A_PARTY	Romania	2	16431	1		35.000	15.000	40.00	Objection Reason
Buy3	17902	Buy	A_PARTY	Romania	3	16556	1		50.000	25.000	30.00	Objection Reason
Sell3	22651	Sell	A_PARTY	Romania	3	15943	1		40.000	20.000	30.00	Objection Reason
Buy4	17556	Buy	A_PARTY	Romania	4	16977	1		50.000	41.300	50.25	Objection Reason
Sell4	22647	Sell	A_PARTY	Romania	4	16199	1		45.000	35.000	50.25	Objection Reason



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Confirmările de tranzacții (2)

http://10.221.0.224:8080/dam/dam-participant/tradeConfirmation.do

PARTICIPANT Day-Ahead Market System ...

DAM 4MMC Operator MO2-1 MO2-2 MO2-3 Suggested Sites Web Slice Gallery Simulare NROAPS4-operator

opcom e-terramarket Username: PARTICIPANT

Participant Market Operator TSO System File Preferences Powered by ALSTOM Grid

Market Operator >> Trade confirmations

Delivery Day CET: 2014-11-29
Offer Type: All
Trading Zone: All
Trading Interval: All
Objection: All

Energy Offer								Block Details	Cleared		Actions
Identification	Code	Type	Interval	Participant	Trading Zone	Version	Objection		Lot	RON/MWh	
SHB_SELL_9_TD_1	5493590	SHB	1	PARTICIPANT	Romania	1		Show	13.0	350.00	Objection
BLB_1	5493573	BLB	1-24	PARTICIPANT	Romania	1		Show	1.0	350.00	Objection
SHB_SELL_9_TD_2	5493579	SHB	2	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection
SHB_SELL_9_TD_3	5493598	SHB	3	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection
SHB_SELL_9_TD_4	5493578	SHB	4	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection
SHB_SELL_9_TD_5	5493581	SHB	5	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection
SHB_SELL_9_TD_6	5493585	SHB	6	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection
SHB_SELL_9_TD_7	5493592	SHB	7	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection
SHB_SELL_9_TD_8	5493583	SHB	8	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection
SHB_SELL_9_TD_9	5493584	SHB	9	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection

First | Rewind | Previous | 1 | 2 | 3 | Next | Forward | Last Total: 3 10

Date-Time Participant Message

There are no messages for today.

120%



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Confirmările de tranzacții (3)

http://10.221.0.224:8080/dam/dam-participant/tradeConfirmationInit.do MO1 https://10.221.0.222:8443... Day-Ahead Market System ... x

DAM 4MMC Operator MO2-1 MO2-2 MO2-3 Suggested Sites Web Slice Gallery Simulare NROAPS4-operator

opcom e-terramarket Username: PARTICIPANT

Participant Market Operator TSO System File Preferences Powered by ALSTOM Grid

Market Operator >> Trade confirmations

Delivery Day CET: 2014-11-29 Offer Type: All Trading Zone: All Trading Interval: All Objection: All

Energy Offer				Participant	Trading Zone	Version	Objection	Block Details			Cleared		Actions
Identification	Code	Type	Interval					No.	Lot	RON/MWh	Lot	RON/MWh	
SHB_SELL_9_TD_1	5493590	SHB	1	PARTICIPANT	Romania	1		Hide			13.0	350.00	Objection
								Aggregated quantity					
								1	1.0	100.00			
								2	1.0	150.00			
BLB_1	5493573	BLB	1-24	PARTICIPANT	Romania	1		Hide			1.0	350.00	Objection
								1	1.0	100.00			
SHB_SELL_9_TD_2	5493579	SHB	2	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection		
SHB_SELL_9_TD_3	5493598	SHB	3	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection		
SHB_SELL_9_TD_4	5493578	SHB	4	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection		
SHB_SELL_9_TD_5	5493581	SHB	5	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection		
SHB_SELL_9_TD_6	5493585	SHB	6	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection		
SHB_SELL_9_TD_7	5493592	SHB	7	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection		
SHB_SELL_9_TD_8	5493583	SHB	8	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection		
SHB_SELL_9_TD_9	5493584	SHB	9	PARTICIPANT	Romania	1		Show	11.0	350.00	Objection		

First Rewind Previous 1 2 3 Next Forward Last Total: 3 10

Date-Time Participant Message

There are no messages for today.

100%



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Garanția (1)

Collateral Guarantee		
From time	To time	Amount
2004/01/03	2005/12/31	1500000000000.00
2006/01/01	2006/12/31	9999999999999.00

Navigation controls: (1/1) 10

Internet



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Garanția (2)

Username: PARTICIPANT

Participant
Market Operator
TSO
System
File
Preferences
Powered by ALSTOM Grid

Market Operator » Collateral Guarantee

Actually available guarantee: **11564516.13 RON** from 2014-11-27 to 2015-07-01

Search guarantee by submission date:

Year: Month:

Submission time CET	Effective day CET	Termination day CET	Collateral guarantee	Currency
2014-11-27 10:02:00	2014-11-27	2015-07-01	11564516.13	RON

First | Rewind | Previous | 1 | Next | Forward | Last

Total: 1 |



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Limita cantității ofertate (1)

Volume Limits			
From time	To time	Sell Max (MWH)	Buy Max (MWH)
2005/01/11	2020/01/01	99999.000	99999.000
2005/01/11	2020/01/01	99999.000	99999.000



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Limita cantității oferțate (2)

The screenshot displays the 'e-terramarket' interface. At the top left is the opcom logo. The top right shows the username 'PARTICIPANT' and a login button. Below the header is a navigation menu with options: Participant, Market Operator, TSO, System, File, and Preferences. The 'Market Operator' option is selected, leading to the 'Volume Limits' page. The page contains a table with the following data:

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

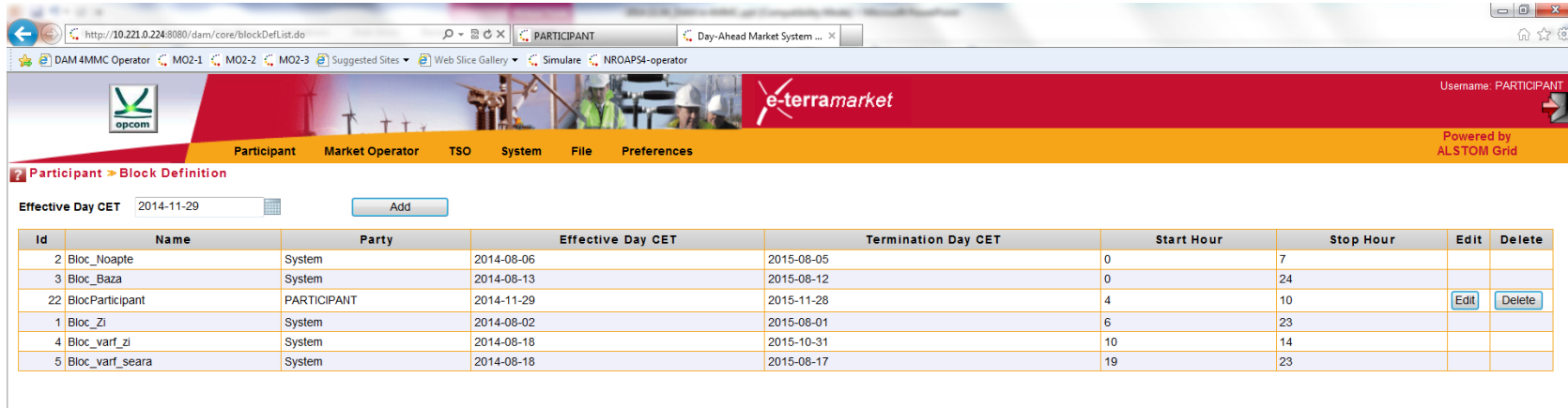


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ECRANE NOI

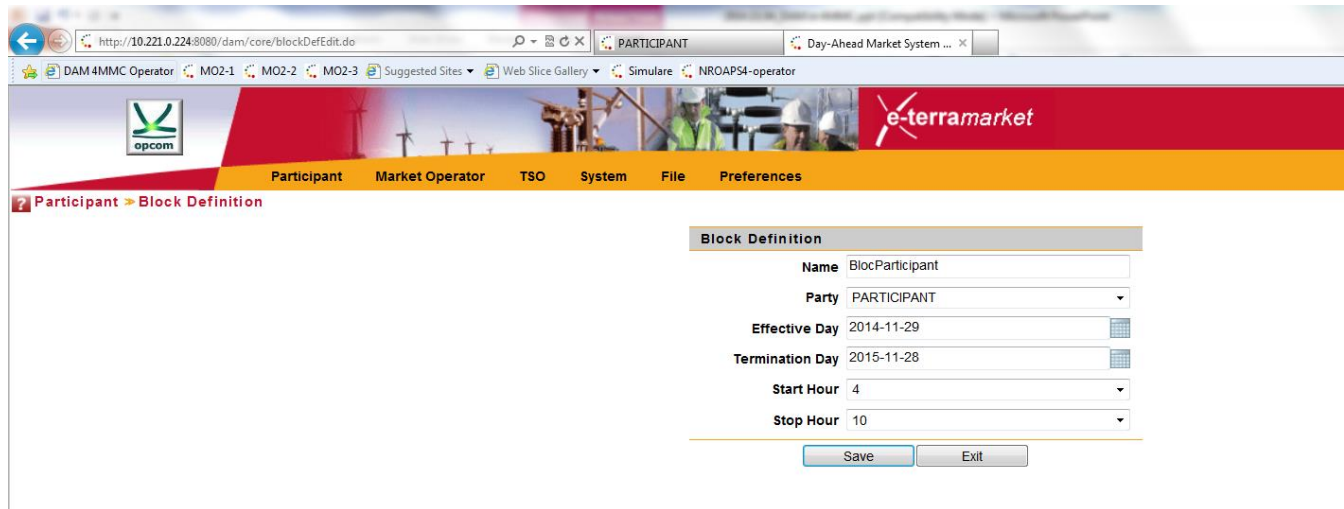
Definirea blocurilor



Participant > Block Definition

Effective Day CET: 2014-11-29

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



Participant > Block Definition

Block Definition

Name: BlocParticipant

Party: PARTICIPANT

Effective Day: 2014-11-29

Termination Day: 2015-11-28

Start Hour: 4

Stop Hour: 10



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Introducere oferte bloc – Ofertă de vânzare

The screenshot shows the 'View sell bids' interface in the e-terramarket application. At the top, there is a navigation bar with the OPCOM logo, 'e-terramarket' branding, and the username 'PARTICIPANT'. Below this is a menu with options: Participant, Market Operator, TSO, System, File, and Preferences. The main content area is titled 'Participant > View sell bids' and includes a form for bid details: Delivery Day CET (2014-11-30), Participant (PARTICIPANT), Area (Romania), Version (0), and Currency (RON). Below the form are buttons for Save, Save&Exit, Download, and Exit. The interface has two tabs: 'Single Hour Bids' and 'Block Hour Bids', with the latter being active. A table displays the block bids with columns for Bid Id, Valid, Block : Hours, Area, Linked Bid, Price (RON/MWh), and Quantity (Lot). Each row includes a small grid icon for editing.

Bid Id	Valid	Block : Hours	Area	Linked Bid	Price (RON/MWh)	Quantity (Lot)
BLB_1		Bloc_Baza: 00:00-24:00	Romania	---	200	5
BLB_2		Bloc_varf_zi: 10:00-14:00	Romania	BLB_1	220	10
BLB_3		BlocParticipant: 04:00-10:00	Romania	BLB_2	180	3
BLB_4		Bloc_varf_seara: 19:00-23:00	Romania	---	250	2



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Vizualizare rata de schimb

The screenshot shows a web browser window displaying the 'Currency rate' page in the e-terramarket application. The browser address bar shows the URL: http://10.221.0.224:8080/dam/core/currencyRateList.do. The application header includes the opcom logo, the e-terramarket logo, and the username 'PARTICIPANT'. The main navigation menu includes 'Participant', 'Market Operator', 'TSO', 'System', 'File', and 'Preferences'. The current page is titled 'Market Operator >> Currency rate'. Below the title, there are filters for 'Currency' (set to EUR), 'Start Time CET' (2014-11-01), and 'Stop Time CET' (2014-12-01). A table displays the currency rates for EUR from 2014-11-01 to 2014-12-01. At the bottom, there is a 'Message' section indicating that there are no messages for today.

Effective Date CET	Currency	Rate
2014-12-01	EUR	4.4300000000
2014-11-30	EUR	4.4200000000
2014-11-29	EUR	4.4255000000
2014-11-28	EUR	4.4209000000
2014-11-04	EUR	4.4026000000
2014-11-02	EUR	4.4222000000
2014-11-01	EUR	4.4102000000

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

Prezentare sistem de tranzacționare al PZU – Evidențierea modificărilor în noua versiune adaptată pentru proiectul 4M MC



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Vizualizare ATC

Browser address bar: http://10.221.0.224:8080/dam/core/availableTransferCapacity.do

Navigation tabs: DAM 4MMC Operator, MO2-1, MO2-2, MO2-3, Suggested Sites, Web Slice Gallery, Simulare, NROAPS4-operator

Header: opcom logo, e-terramarket logo, Username: PARTICIPANT, Powered by ALSTOM Grid

Menu: Participant, Market Operator, TSO, System, File, Preferences

Navigation: TSO >> ATC

Delivery Day CET: 2014-11-29 | Version: Last

Interval	Corridors					
	Hungary->Romania	Romania->Hungary	Czech Republic->Slovakia	Slovakia->Czech Republic	Hungary->Slovakia	Slovakia->Hungary
00:00-01:00	0.0	0.0	551.0	2049.0	864.0	36.0
01:00-02:00	0.0	0.0	615.0	1985.0	864.0	36.0
02:00-03:00	0.0	0.0	551.0	2049.0	864.0	36.0
03:00-04:00	0.0	0.0	372.0	2228.0	864.0	36.0
04:00-05:00	0.0	0.0	362.0	2238.0	864.0	36.0
05:00-06:00	0.0	0.0	487.0	2113.0	864.0	36.0
06:00-07:00	0.0	0.0	539.0	2061.0	864.0	36.0
07:00-08:00	0.0	0.0	482.0	2118.0	864.0	36.0
08:00-09:00	0.0	0.0	431.0	2169.0	864.0	36.0
09:00-10:00	0.0	0.0	367.0	2233.0	864.0	36.0
10:00-11:00	0.0	0.0	368.0	2232.0	864.0	36.0
11:00-12:00	0.0	0.0	372.0	2228.0	864.0	36.0
12:00-13:00	0.0	0.0	385.0	2215.0	864.0	36.0
13:00-14:00	0.0	0.0	385.0	2215.0	864.0	36.0
14:00-15:00	0.0	0.0	406.0	2194.0	864.0	36.0
15:00-16:00	0.0	0.0	406.0	2194.0	864.0	36.0
16:00-17:00	0.0	0.0	378.0	2222.0	864.0	36.0
17:00-18:00	0.0	0.0	344.0	2256.0	864.0	36.0
18:00-19:00	0.0	0.0	315.0	2285.0	864.0	36.0
19:00-20:00	0.0	0.0	365.0	2235.0	864.0	36.0
20:00-21:00	0.0	0.0	368.0	2232.0	864.0	36.0

Date-Time Participant | Message

There are no messages for today.

Zoom: 120%

Prezentare sistem de tranzacționare al PZU – Evidențierea modificărilor în noua versiune adaptată pentru proiectul 4M MC



De reținut (1):

- Ordinul ANRE nr. 82/03.09.2014 privind aprobarea Regulamentului de organizare și funcționare a pieței pentru ziua următoare de energie electrică cu respectarea mecanismului de cuplare prin preț a piețelor și modificarea unor acte normative care reglementează piața pentru ziua următoare de energie electrică, publicat în Monitorul Oficial Nr. 668 din 11 septembrie 2014

Art. 5 - Prezentul ordin se publică în Monitorul Oficial al României, Partea I și intră în vigoare la 11 noiembrie 2014.

- Regulamentul de organizare și funcționare a pieței pentru ziua următoare de energie electrică cu respectarea mecanismului de cuplare prin preț a piețelor și modificarea unor acte normative care reglementează piața pentru ziua următoare de energie electrică

Art. 194 - Ultima zi de livrare pe baza regulilor PZU național, înaintea celei de aplicare a mecanismului de cuplare a piețelor bazat pe orar CET, va avea 25 de intervale de tranzacționare.

Art. 195 - Dacă este cazul, pentru perioada cuprinsă între data intrării în vigoare a prezentului regulament și data aplicării efective a mecanismului de cuplare, se consideră că piața este decuplată și se aplică procedura de ultimă instanță.



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De reținut (2):

- Regulamentului de organizare și funcționare a pieței pentru ziua următoare de energie electrică cu respectarea mecanismului de cuplare prin preț a piețelor și modificarea unor acte normative care reglementează piața pentru ziua următoare de energie electrică

Art. 24 - Fiecare tranzacție pe PZU se referă la un interval de tranzacționare, acesta fiind o oră a unei zile, primul interval de tranzacționare fiind intervalul dintre ora 0,00, CET, și ora 1,00, CET (intervalul 1,00 - 2,00, ora României).

Tranzacționarea se va realiza în ore CET.

Prin urmare toate referințele de timp din platforma se vor raporta la ora CET.

Pentru informații suplimentare puteți accesa prezentările susținute în cadrul atelierului de prezentare susținut în 25.09.2014 la Palatul Parlamentului, accesibile pe website-ul OPCOM în locația ***Anunturi – Stiri / Mesaje Operationale / OPCOM***, respectiv înregistrarea din 30.09.2014 ***Seminar “4M Market Coupling și schimbările prevăzute pe Piața pentru Ziua Următoare” – 25 Septembrie 2014, București.***



Machetă ofertare ultima zi pe sistemul actual de tranzacționare

A	B	C	D	E	F	G	H	I	J	K
Cod participant	PARTICIPANT		Ziua de Livrare			schimbare orar vara-iarna				
Identificare mesaj	Oferta v		Zi	Luna	An					
Versiune mesaj	1		11	11	2014					
Tipul mesajului	X01									
Identificare expeditor	PARTICIPANT									
MessageDateTime	2013-05-11T15:53:16Z									
Ziua de tranzactionare	2013-03-13T22:00Z/2013-03-14T22:00Z									
Rezolutie	PT1H									

limita cantitate	20 MWh/h
limita pret	300 lei/MWh

Creaza fisier .XML

Fișierul XML creat astfel se va deschide ca Notepad și se va înlocui referința de timp:

`<MessageTimeInterval v="2014-11-10T21:00Z/2014-11-11T22:00Z"/>`

cu

`<MessageTimeInterval v="2014-11-10T22:00Z/2014-11-11T23:00Z"/>`

Pentru informații suplimentare până la aplicarea prevederilor Ordinului președintelui ANRE nr. 82/03.09.2014, vă rugăm să ne contactați la adresa de e-mail 4mdam@opcom.ro sau ppzu@opcom.ro.



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Vă mulțumesc pentru atenție!

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