



*earning every day-ahead your trust
stepping forward to the future*

operatorul pieței de energie electrică și de gaze naturale din România

23opcom
mai împreună

Presentation of implicit intraday auctions (IDA) Information related to IDA local trading system

IDA

- The purpose of introducing intraday auctions is to harmonize the calculation and allocation of cross-border capacity in the intraday market and to set the price of intraday cross-border capacity to reflect its shortage at a given time and thus to send an appropriate price signal to the market, ensuring compliance with [ACER decision 01/2019 from 24 January 2019](#)
- The IDA will be conducted in a coupled manner at the EU level, with orders and cross-border capacity being allocated in parallel*.
- The implicit auctions will be similar to the auctions conducted within the Day-Ahead Market and will be run using Euphemia, with the difference being that bidding and trading will be conducted at a granularity of 15 minutes.
- The capacity calculation methodology will be based on NTC.

** For a certain period after the operational launch of the IDA, the extent of which depends on the readiness of CNTEE Tranelectrica, the RO-HU and RO-BG borders will not be included in the IDA, therefore there will be no cross-border allocation on them through the IDA mechanism.*

Intraday Market

- Continuous Trading in the M7 system will take place without cross-border capacity during the IDA sessions.
- The allocation of cross-border capacity in continuous trading will be halted 20 minutes before and 20 minutes after the IDA* GCT (Gate Closure Time for bidding).
- The products available for trading during IDA will be:
 - XBID_Hour_Power
 - XBID_Quarter_Hour_Power

** For a certain period after the operational launch of the IDA, the extent of which depends on the readiness of CNTEE Tranelectrica, the fact that the RO-HU and RO-BG borders will not be included in the IDA will determine the cross-border allocation in continuous trading on these borders including during the period of ± 20 min. Around GCT IDA.*



SIDC bidding zones where IDA will be introduced:

Name	Time	Allocated period	Available capacity*
IDA1	D-1 15:00	D [00:00-24:00]	The remaining capacity in the DAM
IDA2	D-1 22:00	D [00:00-24:00]	The recalculated capacity in the IDM
IDA3	D 10:00	D [12:00-24:00]	The remaining capacity in the DAM

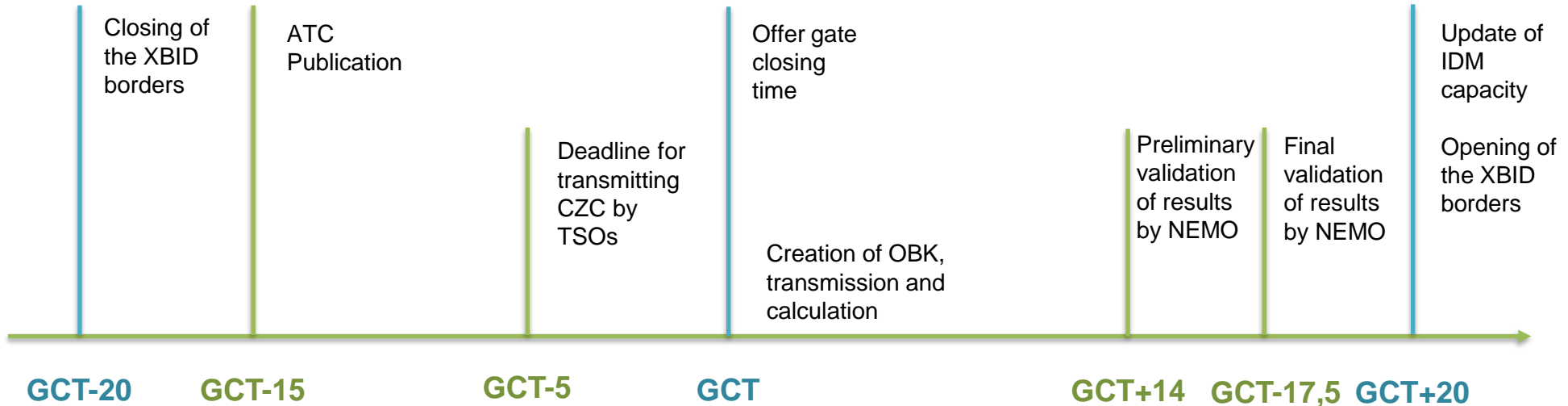


Trading system

- AREVA (similar to the current DAM trading system with the ability to bid at 15-minute granularity)

** For a certain period after the operational launch of the IDA, the extent of which depends on the readiness of the Transelectrica CNTEE, the RO-HU and RO-BG borders will not be included in the IDA, therefore there will be no cross-border allocation on them through the IDA mechanism (they will not be published ATC information for IDA).*

IDA Process

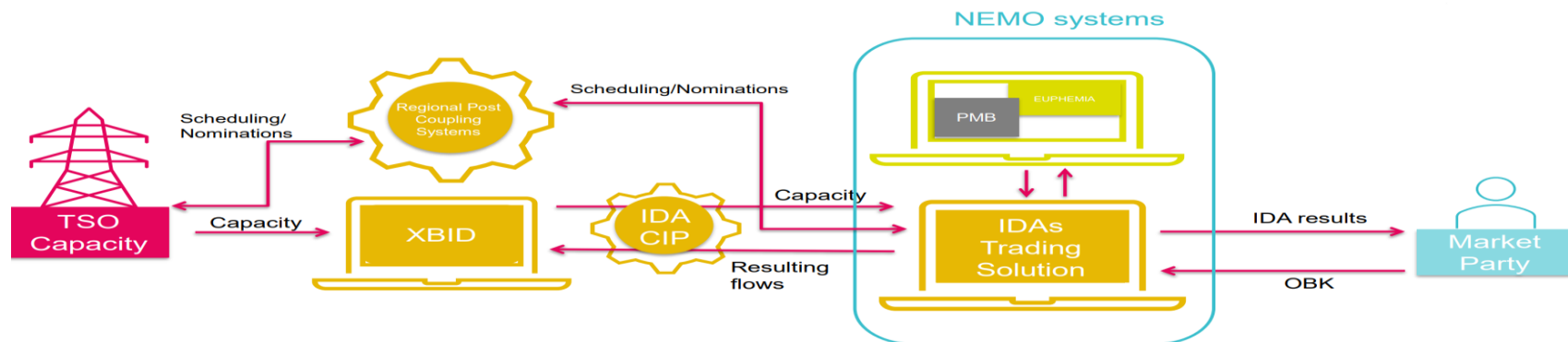


- Cross-border trading is suspended during IDA: 20 minutes before GCT and 20 minutes after GCT during normal operation.
- ATC information will be published 15 minutes before GCT on the local platform*.
- ATC can be updated by TSOs up to 5 minutes before GCT.
- Final results will be published by NEMOs within 30 minute after GCT.
- After GCT+30 trade confirmations and physycal notification files will be published

** For a certain period after the operational launch of the IDA, the extent of which depends on the readiness of the Transelectrica CNTEE, the RO-HU and RO-BG borders will not be included in the IDA, therefore there will be no cross-border allocation on them through the IDA mechanism (they will not be published ATC information for IDA).*

The architecture of IDA

- XBID (CMM) is used as a data source for network constraints for IDA (pre-coupling) and to validate IDA results (checking that capacity does not exceed network constraints (coupled)).
- Network data is provided by NEMOs to EUPHEMIA (algorithm) through PMB (PCR Matcher&Broker).
- IDA results are sent to XBID in the form of an Allocation Request, which is accepted if the flows from IDA are compatible with the network data constraints. For interconnectors with ramping, the already allocated capacity is also taken into account to perform validation.
- Local IDA trading solutions could be the same solution used for DAM, adapted for IDA, or a new one depending on each NEMO. OPCOM chosen to use adapted DAM solution.
- The other two modules of XBID (SOB and SM) are not functionally affected by the execution of IDA.



Gates from IDA platform



Sistem » Porti

NNROAPS4 2024-03-21 07:17:30 CET

Ora Sistem: 2024-03-21 07:17:48 CET						
Session	Porti	Data de Deschidere CET	Data de Inchidere CET	Zi de Livrare CET	Deschisa	Inchis
IDA3	Transmitere Oferta ✓	07:00:00	09:00:00	2024-03-21	<input checked="" type="checkbox"/>	
	Transmitere ATC	08:46:00	09:00:00	2024-03-21		
	Publicare ATC	08:58:00	09:00:00	2024-03-21		
	Proces de matching	09:00:00	09:30:00	2024-03-21		
	Publicarea rezultatelor	09:30:00	09:32:00	2024-03-21		
	Notificare Fizica	09:32:00	09:35:00	2024-03-21		
IDA1	Publicarea ratei de schimb.	13:00:00	14:00:00	2024-03-22		
	Transmitere Oferta ✓	11:00:00	14:00:00	2024-03-22		
	Transmitere ATC	13:46:00	14:00:00	2024-03-22		
	Publicare ATC	13:58:00	14:00:00	2024-03-22		
	Proces de matching	14:00:00	14:30:00	2024-03-22		
	Publicarea rezultatelor	14:30:00	14:32:00	2024-03-22		
IDA2	Notificare Fizica	14:32:00	14:35:00	2024-03-22		
	Transmitere Oferta ✓	14:40:00	16:00:00	2024-03-22		
	Transmitere ATC	15:46:00	16:00:00	2024-03-22		
	Publicare ATC	15:58:00	16:00:00	2024-03-22		
	Proces de matching	16:00:00	16:30:00	2024-03-22		
	Publicarea rezultatelor	16:30:00	16:32:00	2024-03-22		
	Notificare Fizica	16:32:00	16:35:00	2024-03-22		

Data-Timp	Participant	Mesaj
Nu exista mesaje pentru astazi.		

The trading system is governed by the gate mechanism. A gate can be in one of the following states: open, closed, or in the process of opening/closing with applicability for each IDA session separately. The gate mechanism allows the trading system to comply with trading rules defined by regulations regarding time limits..

Bidding through the IDA trading system

Participant >> View buy bids

Delivery Day CET: 2024-04-04
Participant: NOVITAS
Area: Romania
Version: 0
Session: 1
Currency: RON

Single Quarterly Bids | Block Quarterly Bids

Price (RON/MWh)	Hours	Total(MW)	Pmax	2	3	Pmin
00:00-00:15 (MW)	0.0					
00:15-00:30 (MW)	0.0					
00:30-00:45 (MW)	0.0					
00:45-01:00 (MW)	0.0					
01:00-01:15 (MW)	10.0				10	
01:15-01:30 (MW)	0.0					
01:30-01:45 (MW)	15.0			15		
01:45-02:00 (MW)	0.0					
02:00-02:15 (MW)	25.0			25		
02:15-02:30 (MW)	0.0					
02:30-02:45 (MW)	0.0					
02:45-03:00 (MW)	5.0				5	
03:00-03:15 (MW)	0.0					
03:15-03:30 (MW)	0.0					
03:30-03:45 (MW)	0.0					
03:45-04:00 (MW)	0.0					
04:00-04:15 (MW)	0.0					
04:15-04:30 (MW)	0.0					

Participant >> View buy bids

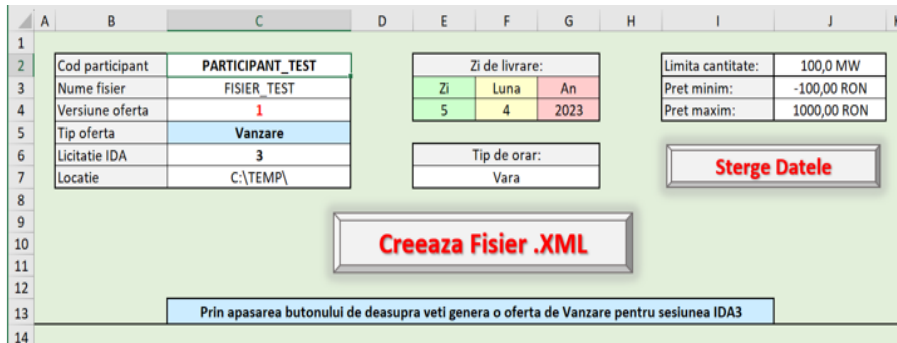
Delivery Day CET: 2024-04-04
Participant: NOVITAS
Area: Romania
Version: 0
Session: 3
Currency: RON

Single Quarterly Bids | Block Quarterly Bids

Price (RON/MWh)	Hours	Total(MW)	Pmax	2	3	150	Pmin
12:00-12:15 (MW)	0.0						
12:15-12:30 (MW)	0.0						
12:30-12:45 (MW)	0.0						
12:45-13:00 (MW)	5.0				5		
13:00-13:15 (MW)	0.0						
13:15-13:30 (MW)	12.0					12	
13:30-13:45 (MW)	0.0						
13:45-14:00 (MW)	15.0				15		
14:00-14:15 (MW)	0.0						
14:15-14:30 (MW)	0.0						
14:30-14:45 (MW)	0.0						
14:45-15:00 (MW)	25.0					25	
15:00-15:15 (MW)	0.0						
15:15-15:30 (MW)	0.0						
15:30-15:45 (MW)	0.0						
15:45-16:00 (MW)	0.0						
16:00-16:15 (MW)	0.0						
16:15-16:30 (MW)	0.0						

- Bidding will be done in RON, and the bid price is between -9999 € and 9999 €, with conversion being done at the BNR rate (for each delivery day the BNR rate established the banking day before delivery day is applied).
- Bids can be entered into the market through the Areva platform as well as through the bidding template provided by OPCOM.
- For IDA1 & IDA2, bidding is done for 96 quarterly intervals corresponding to D+1 (100 or 92 at clock change time).
- For IDA3, bidding is done for 48 quarterly intervals corresponding to D

IDA bidding through the script



OFERTE SFERT DE ORA:						
Interval de ofertare		Pereche 1	Pereche 2	Pereche 3	Pe	
1	Total Q:	Cantitate	10,0	1,5	5,8	
	00:00 - 00:15	Pret	325,00	355,00	245,50	
2	Total Q:	Cantitate				
	00:15 - 00:30	Pret				
3	Total Q:	Cantitate				

- From the main sheet of the bidding template, you can select:

- The type of offer (Sell/Buy)
- Number of IDA auction
- Delivery day
- Type of schedule (summer/winter)

- It is recommended to set bidding limits for quantity and price to avoid the risk of significant errors

Quarter-hour offers are completed in the corresponding area following the rules:

- Each quarter-hour offer can have a maximum of 32 quantity-price pairs and they are ordered horizontally.
- Quarter-hour offers are ordered vertically, with the quantity (as hourly average power in MW) having one decimal place and the price having two decimal places.
- If the price of any quantity-price pair/block offer or the total quantity of the offer exceeds the limits on the 'Identification' sheet, the respective cell will be colored in red. This is just a warning and does not prevent the completion of the offer as described.

The template contains usage instructions, and the file generated after correctly completing it is saved in the location (**C:\temp**). If this directory doesn't exist, it will need to be created on the respective workstation.

Incidents Before Coupling Session

Cancellation in advance of an IDA auction session

- Due to planned maintenance.
- Cancellation due to maintenance will occur only in exceptional situations, such as hotfixes.

Cancellation in advance due to a critical issue

- Deadline for notification: OBK GCT – 25 minutes
 - The issue cannot be resolved before the IDA session.
 - DAM: Within the DAM, final results are not confirmed by sending a Positive Final Global Confirmation before 14:10 CET, leading to the cancellation of the IDA1 auction session.

Partial decoupling known in advance

- In case a local maintenance is planned or there is a critical issue for which resolution is not possible before the next IDA session
- The deadline for notification is: OBK GCT – 60 minutes.
- Only the affected NEMO will be decoupled.

Incidents During Coupling Session

IDA can be canceled during the session for several reasons, such as:

- CZC for IDA was not received and validated by IDA CIP before the deadline.
- No PMB has completed the calculation with valid results before the deadline.
- IDA results are not delivered by the prescribed validation time.
- IDA results have not been successfully validated by CMM.

In case of cancellation, Market Participants will be notified, and continuous cross-border trading will be resumed as soon as possible (at the latest OBK GCT + 30 minutes).

Additional information will be provided regarding the impact of the incident on the following IDAs. A maximum of 10 minutes of reserve time will be introduced to give Market Operators sufficient time to manage potential incidents.

If Positive Global Preliminary Confirmation has not been generated by GCT + 17.5 (2 minutes before the agreed Publication Time), Market Participants will be informed about the possible delay.

Additional information will be provided regarding the impact of the incident on the following IDA sessions.

Partial decoupling during the session is conducted in the following situations:

- Order books or network data are still missing from PMB after the deadline.

Differences compared to SDAC partial decoupling procedures:

- Due to the short available time, reopening of the order book is not possible.
- For this reason, most NEMOs (including OPCOM) will be decoupled together with the affected NEMO in this case. GME, OMIE, and HENEX may remain coupled.
- No "Partial Decoupling Risk" message will be sent.
- There will be no shadow auction for capacities.
- All intraday market interconnectors will remain closed until the end of the IDA session. This feature is expected to be modified later (in 2025), allowing the resumption of continuous cross-border allocation for borders decoupled earlier

Post-Coupling IDA activities

- Participants will be able to download their transaction confirmations from the platform after the successful completion of the coupling session related to an IDA auction session (GCT+20 in normal operating times). Additionally, they can select the session for which to view the transaction confirmation (individually for each IDA session or aggregated across all IDA auction sessions).

Market Operator > Trade confirmations

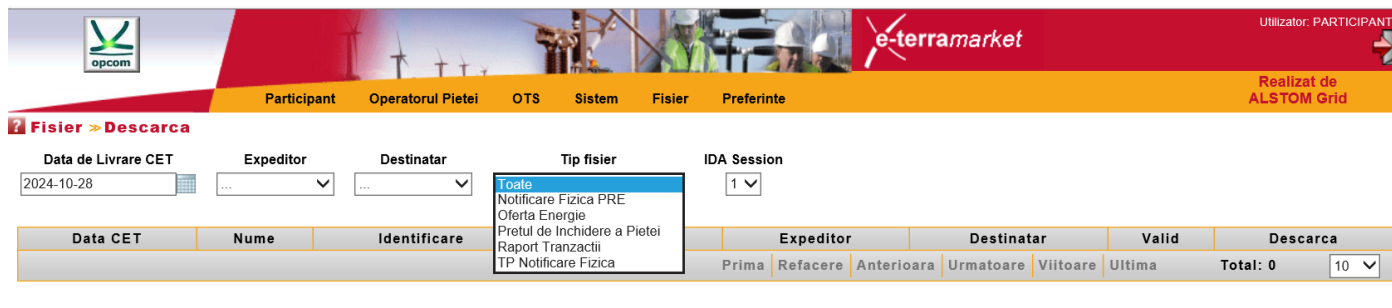
Delivery Day CET: 2024-04-04
 Trading participant: All
 Offer Type: All
 Trading Zone: All
 Trading Interval: All
 Session: All

Energy Offer					Participant		Trading Zone	Trade confirmation id	Version	Block Details		Cleared	
Identification	Code	Type	Direction	Interval	Party	Acer code				MW	RON/MWh		
SQB_BUY_1_TD_1	1054586	IDA1-SQB	BUY	1		A0001768Y.RO	Romania	10042951	1	Show	0.0	1075.95	
SQB_SELL_1_TD_1	1055753	IDA1-SQB	SELL	1		A0002802D.RO	Romania	10042156	1	Show	6.0	1075.95	
SQB_SELL_1_TD_1	1056189	IDA1-SQB	SELL	1		A0001640I.RO	Romania	10042419	1	Show	299.0	1075.95	
SQB_BUY_1_TD_1	1054481	IDA1-SQB	BUY	1		A00019329.RO	Romania	10041516	1	Show	0.0	1075.95	
SQB_BUY_1_TD_1	1054397	IDA1-SQB	BUY	1		A0002185D.RO	Romania	10041453	1	Show	0.0	1075.95	
SQB_SELL_1_TD_1	1057354	IDA2-SQB	SELL	1		A0002185D.RO	Romania	10044336	1	Show	2.7	35.00	
SQB_SELL_1_TD_1	1055593	IDA1-SQB	SELL	1		A0002185D.RO	Romania	10043501	1	Show	31.0	1075.95	
SQB_BUY_1_TD_1	1058541	IDA2-SQB	BUY	1		A0002185D.RO	Romania	10045827	1	Show	31.0	35.00	
SQB_SELL_2_TD_1	1058923	IDA3-SQB	SELL	49		A0002185D.RO	Romania	10046007	1	Show	1000.5	350.00	
SQB_SELL_1_TD_1	1055145	IDA1-SQB	SELL	1		A00029740.RO	Romania	10041907	1	Show	31.0	1075.95	

First | Rewind | Previous | 1 | 2 | 3 | 4 | 5 | Next | Forward | Last | Total: 481 | 10

Post-Coupling IDA activities

- The parties responsible for balancing and participants will be able to download the physical notification files (existing TP and BRP today and within the PZU framework) from the platform after the coupling session ends.
- The physical notification will contain 96 intervals and will be aggregated in the following form.:
 - For IDA 1, it will contain the transactions concluded for the IDA1 session.
 - For IDA 2, it will contain the transactions concluded for the IDA1 + IDA2 sessions.
 - For IDA 3, it will contain the transactions concluded for the IDA1 + IDA2 + IDA3 sessions.



The screenshot shows the 'Fisier' (File) section of the e-terramarket platform. The interface includes a navigation bar with 'Participant', 'Operatorul Pieței', 'OTS', 'Sistem', 'Fisier', and 'Preferințe'. The user is identified as 'PARTICIPANT' and the system is 'ALSTOM Grid'. The 'Fisier' section has a 'Descarca' (Download) button and a search filter for 'Tip fisier' (File type). The filter is currently set to '1' (All).

Data CET	Nume	Identificare	Expeditor	Destinatar	Valid	Descarca				
			Prima	Refacere	Anterioara	Urmatoare	Viitoare	Ultima	Total: 0	10

Rollback/Suspension

- The rollback (reverting to the continuous trading mechanism prior to the implementation of IDA auctions, without putting the interconnectors on HALT) is possible in case serious operational issues arise during the trading within the intraday capacity auctions.
- One week after the launch date, if significant problems occur within the IDA (multiple sessions cancelled), it will be implemented according to the decision made at the project's management committee level (MCSC).
- Only continuous trading will be available, without IDA



*earning every day-ahead your trust
stepping forward to the future*

operatorul pieței de energie electrică și de gaze naturale din România

23opcom
și împreună

Thank you for your attention!

www.opcom.ro