

# Daily auctions performed by JP EMS

Market Division  
Belgrade 2014



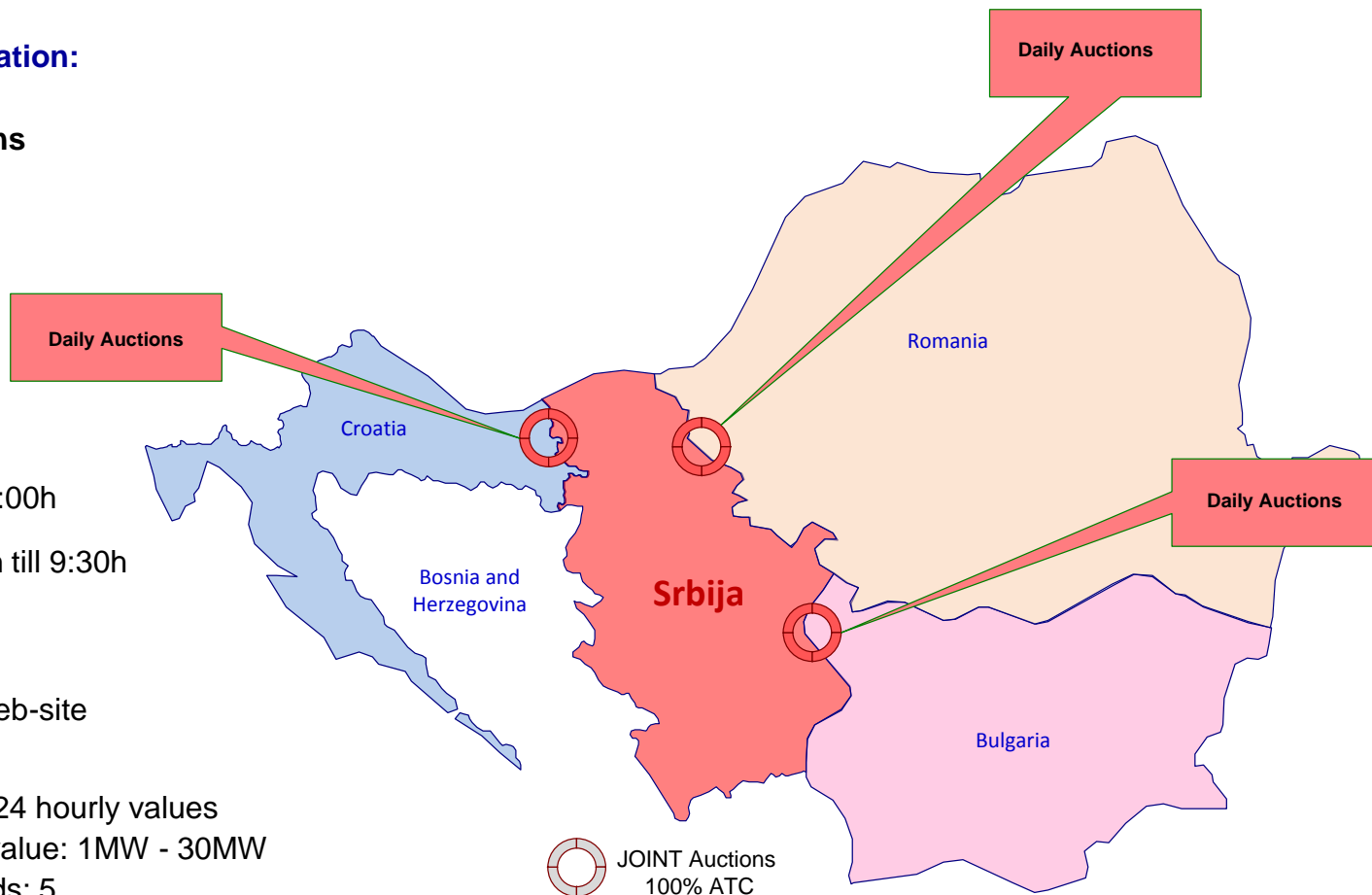
ЈАВНО ПРЕДУЗЕЋЕ  
ЕЛЕКТРОМРЕЖА СРБИЈЕ

# Daily Auctions

## Daily Auction Specification:

### Two Separated Auctions (per border direction):

- Romania – Serbia
- Serbia – Romania
- Bulgaria – Serbia
- Serbia – Bulgaria
- Croatia – Serbia
- Serbia - Croatia



➤ **Publishing ATC:** until 9:00h

➤ **Submitting Bids:** 9:00h till 9:30h

### Publishing Results:

- 9:40h in DAMAS
- 10:15h on EMS web-site

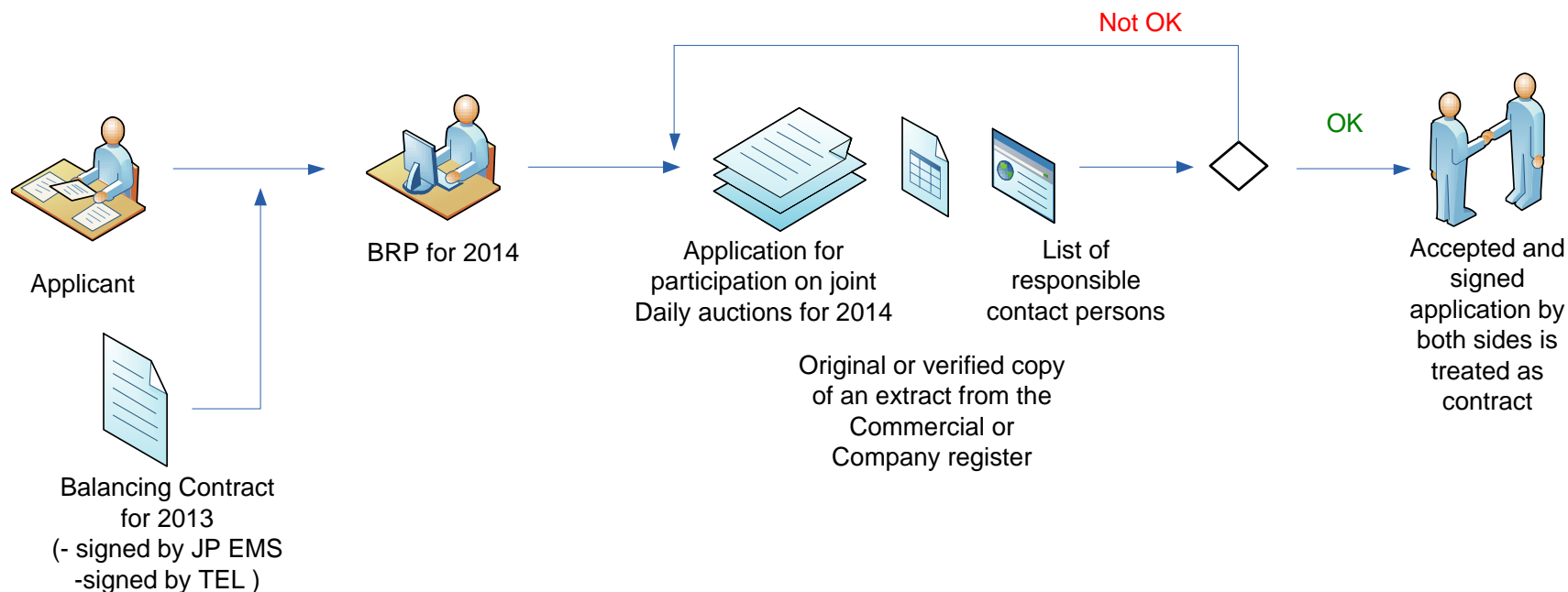
### Auction configuration:

- One bid contents 24 hourly values
- Min and max bid value: 1MW - 30MW
- Max number of bids: 5
- Min bid price value: 0.01€/MWh

### Auction evaluation algorithm:

- Marginal price

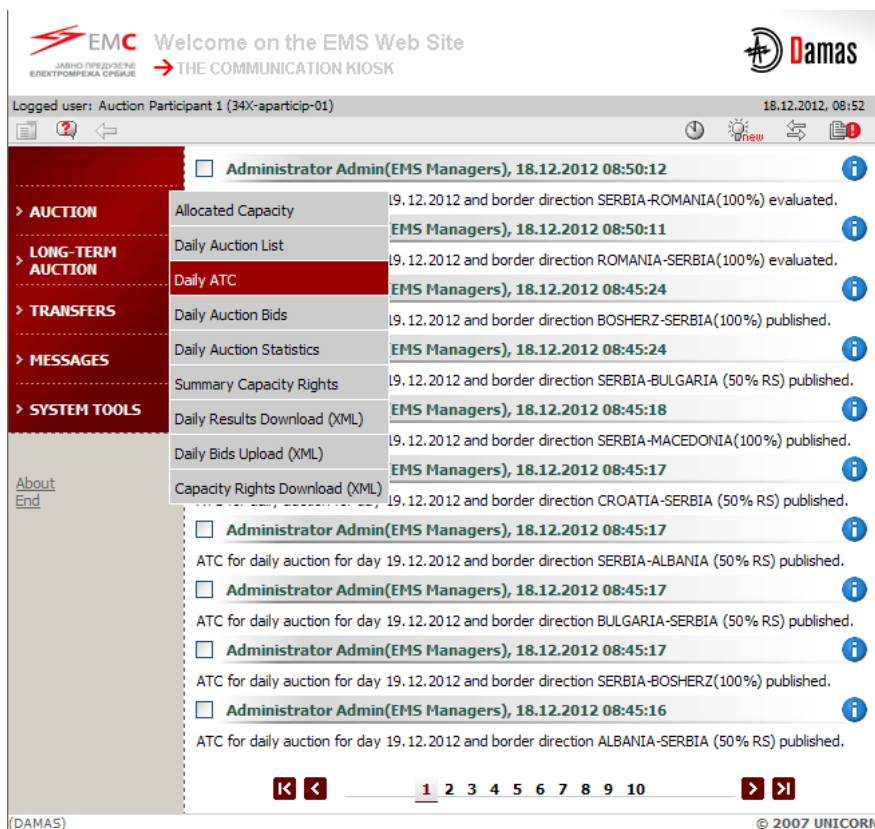
# Application for Participation on Daily Auctions for 2014



- Deadline for registration for Market Day D:
  - 7 working days before Market day D at 12:00h

# Daily ATC Preview

- Daily ATC will be published until 9:00h
- Select right data to see daily ATC



EMC Welcome on the EMS Web Site  
JAVNO PREDUZETJE ELEKTROMREZA SRBIJE → THE COMMUNICATION KIOSK

Logged user: Auction Participant 1 (34X-aparticip-01) 18.12.2012, 08:52

**ADMINISTRATOR Admin(EMS Managers), 18.12.2012 08:50:12**

- Allocated Capacity 19.12.2012 and border direction SERBIA-ROMANIA(100%) evaluated.
- Daily Auction List EMS Managers), 18.12.2012 08:50:11
- Daily ATC** EMS Managers), 18.12.2012 08:45:24
- Daily Auction Bids 19.12.2012 and border direction BOSHERZ-SERBIA(100%) published.
- Daily Auction Statistics EMS Managers), 18.12.2012 08:45:24
- Summary Capacity Rights 19.12.2012 and border direction SERBIA-BULGARIA (50% RS) published.
- Daily Results Download (XML) EMS Managers), 18.12.2012 08:45:18
- Daily Bids Upload (XML) 19.12.2012 and border direction SERBIA-MACEDONIA(100%) published.
- Capacity Rights Download (XML) EMS Managers), 18.12.2012 08:45:17

**ADMINISTRATOR Admin(EMS Managers), 18.12.2012 08:45:17**

- ATC for daily auction for day 19.12.2012 and border direction SERBIA-ALBANIA (50% RS) published.

**ADMINISTRATOR Admin(EMS Managers), 18.12.2012 08:45:17**

- ATC for daily auction for day 19.12.2012 and border direction BULGARIA-SERBIA (50% RS) published.

**ADMINISTRATOR Admin(EMS Managers), 18.12.2012 08:45:17**

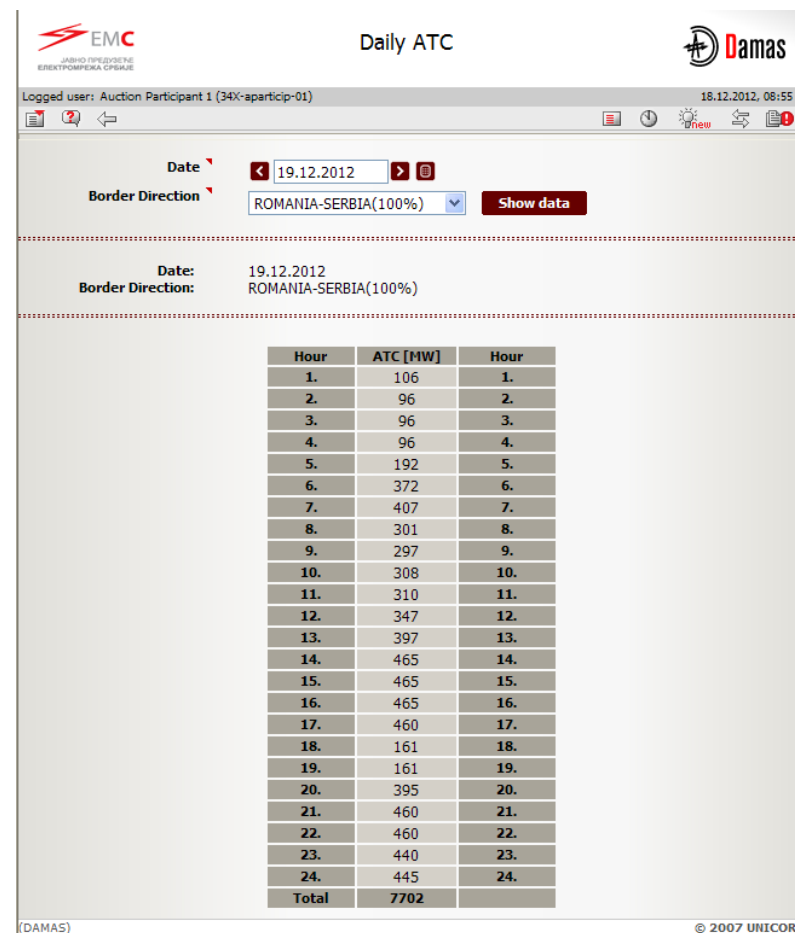
- ATC for daily auction for day 19.12.2012 and border direction SERBIA-BOSHERZ(100%) published.

**ADMINISTRATOR Admin(EMS Managers), 18.12.2012 08:45:16**

- ATC for daily auction for day 19.12.2012 and border direction ALBANIA-SERBIA (50% RS) published.

Navigation: 1 2 3 4 5 6 7 8 9 10

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EMC Daily ATC  
JAVNO PREDUZETJE ELEKTROMREZA SRBIJE

Logged user: Auction Participant 1 (34X-aparticip-01) 18.12.2012, 08:55

Date: 19.12.2012

Border Direction: ROMANIA-SERBIA(100%) **Show data**

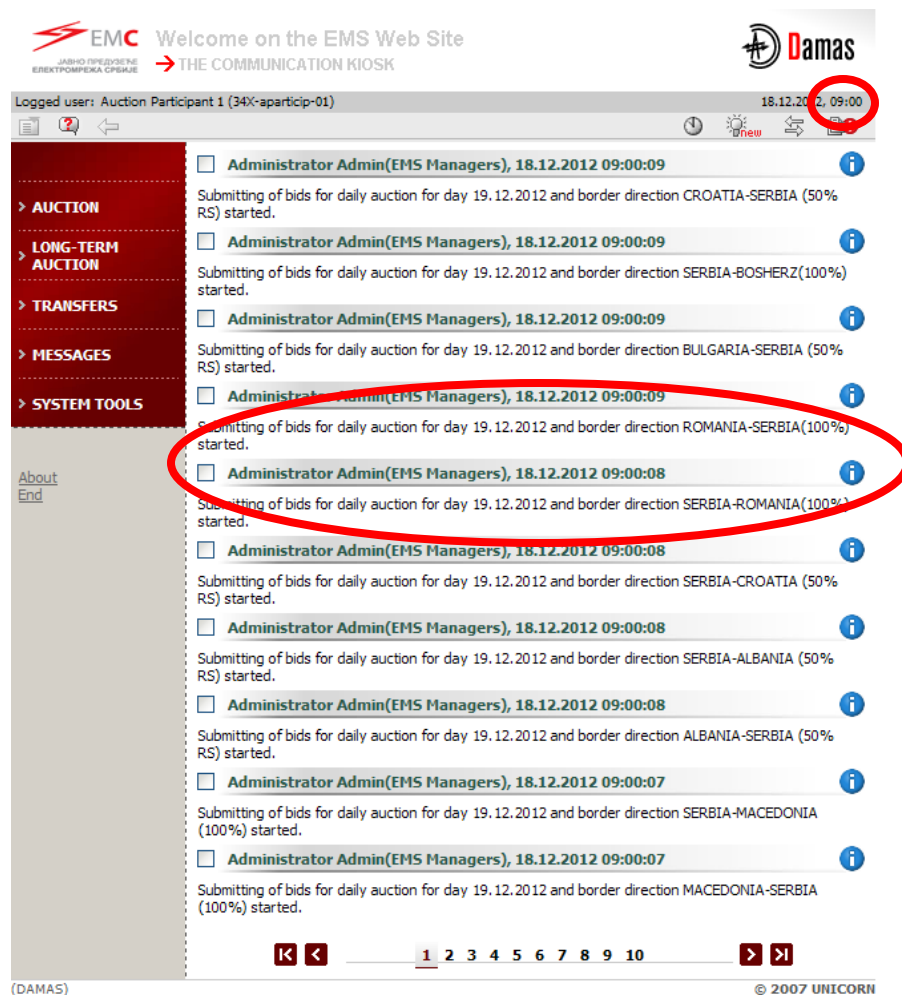
Date: 19.12.2012  
Border Direction: ROMANIA-SERBIA(100%)

Hour	ATC [MW]	Hour
1.	106	1.
2.	96	2.
3.	96	3.
4.	96	4.
5.	192	5.
6.	372	6.
7.	407	7.
8.	301	8.
9.	297	9.
10.	308	10.
11.	310	11.
12.	347	12.
13.	397	13.
14.	465	14.
15.	465	15.
16.	465	16.
17.	460	17.
18.	161	18.
19.	161	19.
20.	395	20.
21.	460	21.
22.	460	22.
23.	440	23.
24.	445	24.
<b>Total</b>	<b>7702</b>	

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# Opening Gate for Submitting Bids

- Submitting of bids for daily auction is starting at 9:00h



The screenshot displays the EMS Web Site interface. At the top, it says "Welcome on the EMS Web Site" and "THE COMMUNICATION KIOSK". The user is logged in as "Auction Participant 1 (34X-apatipic-01)". The date and time shown is 18.12.2012, 09:00. The left sidebar contains navigation options: AUCTION, LONG-TERM AUCTION, TRANSFERS, MESSAGES, and SYSTEM TOOLS. The main content area shows a list of auction events, each starting at 09:00:09 or 09:00:08 on 18.12.2012. The first event is circled in red, indicating the start of the bidding process. The bottom of the page shows a pagination bar with numbers 1 through 10, and a copyright notice for UNICORN.

EMC Welcome on the EMS Web Site  
THE COMMUNICATION KIOSK

Logged user: Auction Participant 1 (34X-apatipic-01) 18.12.2012, 09:00

**AUCTION**

- Administrator Admin(EMS Managers), 18.12.2012 09:00:09  
Submitting of bids for daily auction for day 19.12.2012 and border direction CROATIA-SERBIA (50% RS) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:09  
Submitting of bids for daily auction for day 19.12.2012 and border direction SERBIA-BOSHERZ(100%) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:09  
Submitting of bids for daily auction for day 19.12.2012 and border direction BULGARIA-SERBIA (50% RS) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:09  
Submitting of bids for daily auction for day 19.12.2012 and border direction ROMANIA-SERBIA(100%) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:08  
Submitting of bids for daily auction for day 19.12.2012 and border direction SERBIA-ROMANIA(100%) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:08  
Submitting of bids for daily auction for day 19.12.2012 and border direction SERBIA-CROATIA (50% RS) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:08  
Submitting of bids for daily auction for day 19.12.2012 and border direction SERBIA-ALBANIA (50% RS) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:08  
Submitting of bids for daily auction for day 19.12.2012 and border direction ALBANIA-SERBIA (50% RS) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:07  
Submitting of bids for daily auction for day 19.12.2012 and border direction SERBIA-MACEDONIA (100%) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:07  
Submitting of bids for daily auction for day 19.12.2012 and border direction MACEDONIA-SERBIA (100%) started.

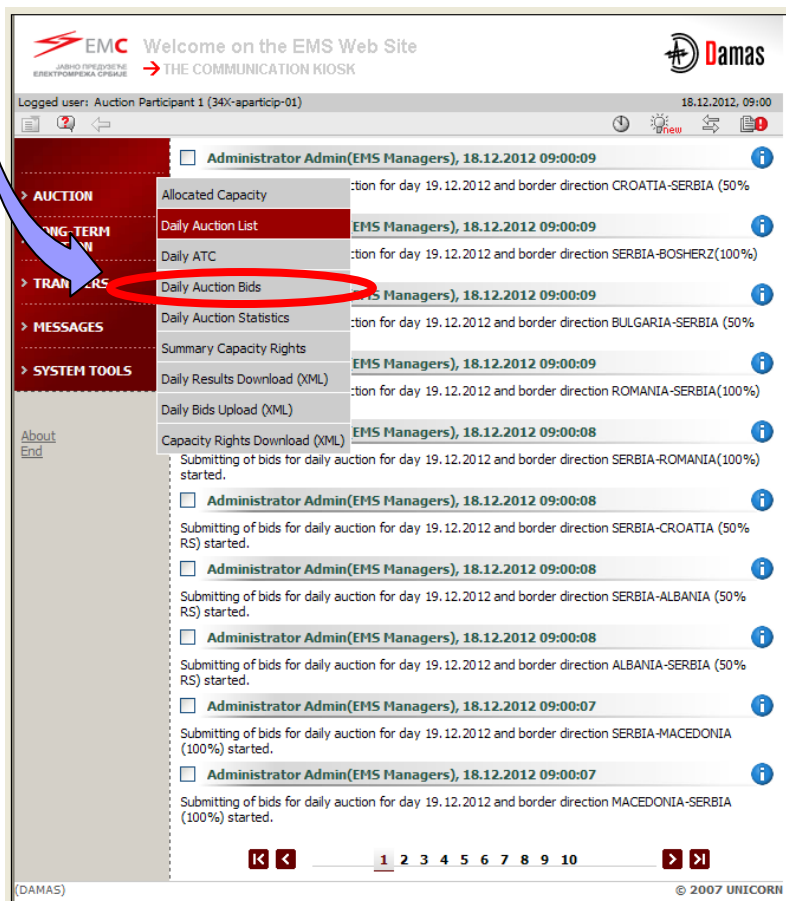
1 2 3 4 5 6 7 8 9 10

(DAMAS) © 2007 UNICORN

# Daily Auction List Preview

## ➤ Submitting Bids:

- Directly through Daily Auction Bids Menu
- Selecting Daily Auction List Menu (choosing Bids button)



Welcome on the EMS Web Site  
→ THE COMMUNICATION KIOSK

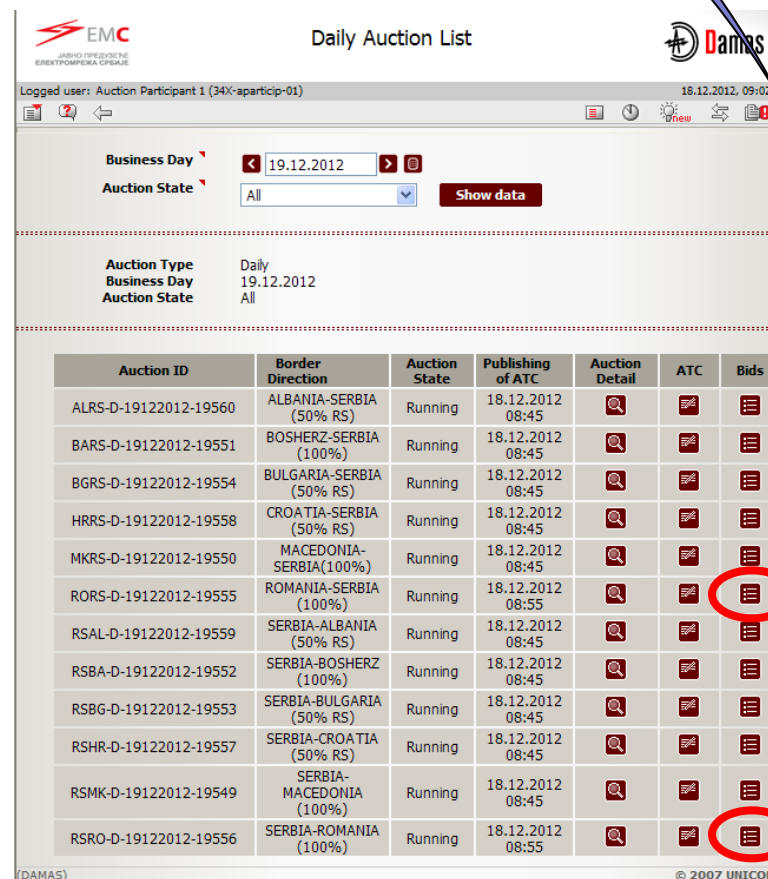
Logged user: Auction Participant 1 (34X-aparticip-01) 18.12.2012, 09:00

**AUCTION**

- Administrator Admin(EMS Managers), 18.12.2012 09:00:09
- Allocated Capacity :tion for day 19.12.2012 and border direction CROATIA-SERBIA (50%)
- Daily Auction List** EMS Managers), 18.12.2012 09:00:09
- Daily ATC :tion for day 19.12.2012 and border direction SERBIA-BOSHERZ(100%)
- Daily Auction Bids** EMS Managers), 18.12.2012 09:00:09
- Daily Auction Statistics :tion for day 19.12.2012 and border direction BULGARIA-SERBIA (50%)
- Summary Capacity Rights EMS Managers), 18.12.2012 09:00:09
- Daily Results Download (XML) :tion for day 19.12.2012 and border direction ROMANIA-SERBIA(100%)
- Daily Bids Upload (XML) EMS Managers), 18.12.2012 09:00:08
- Capacity Rights Download (XML) EMS Managers), 18.12.2012 09:00:08
- Submitting of bids for daily auction for day 19.12.2012 and border direction SERBIA-ROMANIA(100%) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:08
- Submitting of bids for daily auction for day 19.12.2012 and border direction SERBIA-CROATIA (50% RS) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:08
- Submitting of bids for daily auction for day 19.12.2012 and border direction SERBIA-ALBANIA (50% RS) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:08
- Submitting of bids for daily auction for day 19.12.2012 and border direction ALBANIA-SERBIA (50% RS) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:07
- Submitting of bids for daily auction for day 19.12.2012 and border direction SERBIA-MACEDONIA (100%) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:07
- Submitting of bids for daily auction for day 19.12.2012 and border direction MACEDONIA-SERBIA (100%) started.

1 2 3 4 5 6 7 8 9 10

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Daily Auction List

Logged user: Auction Participant 1 (34X-aparticip-01) 18.12.2012, 09:00

Business Day: 19.12.2012

Auction State: All **Show data**

Auction Type: Daily  
Business Day: 19.12.2012  
Auction State: All

Auction ID	Border Direction	Auction State	Publishing of ATC	Auction Detail	ATC	Bids
ALRS-D-19122012-19560	ALBANIA-SERBIA (50% RS)	Running	18.12.2012 08:45			
BARS-D-19122012-19551	BOSHERZ-SERBIA (100%)	Running	18.12.2012 08:45			
BGRS-D-19122012-19554	BULGARIA-SERBIA (50% RS)	Running	18.12.2012 08:45			
HRRS-D-19122012-19558	CROATIA-SERBIA (50% RS)	Running	18.12.2012 08:45			
MKRS-D-19122012-19550	MACEDONIA-SERBIA(100%)	Running	18.12.2012 08:45			
RORS-D-19122012-19555	ROMANIA-SERBIA (100%)	Running	18.12.2012 08:55			
RSAL-D-19122012-19559	SERBIA-ALBANIA (50% RS)	Running	18.12.2012 08:45			
RSBA-D-19122012-19552	SERBIA-BOSHERZ (100%)	Running	18.12.2012 08:45			
RSBG-D-19122012-19553	SERBIA-BULGARIA (50% RS)	Running	18.12.2012 08:45			
RSHR-D-19122012-19557	SERBIA-CROATIA (50% RS)	Running	18.12.2012 08:45			
RSMK-D-19122012-19549	SERBIA-MACEDONIA (100%)	Running	18.12.2012 08:45			
RSRO-D-19122012-19556	SERBIA-ROMANIA (100%)	Running	18.12.2012 08:55			

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# Submitting Bids

- Select Date and Border direction
- Enter desired values
  - Bid Amount
  - Bid Price
- Click **Save**
  
- Deliver of new bid is possible through **Show data** button or by returning to Daily auction list or to Main manu and repeating above steps.

Date 19.12.2012

Border Direction ROMANIA-SERBIA(100%)

---

Auction Participant: Auction Participant 1  
Date: 19.12.2012  
Border Direction: ROMANIA-SERBIA(100%)  
Bid Number: N/A

---

Save

Hour	ATC [MW]	Bid Amount [MW]	Bid Price [EUR/MWh]	Hour
1.	106	<input type="text" value="5"/>	<input type="text" value="1"/>	1.
2.	96	<input type="text" value="5"/>	<input type="text" value="1"/>	2.
3.	96	<input type="text" value="5"/>	<input type="text" value="1"/>	3.
4.	96	<input type="text" value="5"/>	<input type="text" value="1"/>	4.
5.	192	<input type="text" value="10"/>	<input type="text" value="1.2"/>	5.
6.	372	<input type="text" value="10"/>	<input type="text" value="1.2"/>	6.
7.	407	<input type="text" value="10"/>	<input type="text" value="1.2"/>	7.
8.	301	<input type="text" value="10"/>	<input type="text" value="1.2"/>	8.
9.	297	<input type="text" value="15"/>	<input type="text" value="1.4"/>	9.
10.	308	<input type="text" value="15"/>	<input type="text" value="1.4"/>	10.
11.	310	<input type="text" value="15"/>	<input type="text" value="1.4"/>	11.
12.	347	<input type="text" value="15"/>	<input type="text" value="1.4"/>	12.
13.	397	<input type="text" value="20"/>	<input type="text" value="1.6"/>	13.
14.	465	<input type="text" value="20"/>	<input type="text" value="1.6"/>	14.
15.	465	<input type="text" value="20"/>	<input type="text" value="1.6"/>	15.
16.	465	<input type="text" value="20"/>	<input type="text" value="1.6"/>	16.
17.	460	<input type="text" value="25"/>	<input type="text" value="1.8"/>	17.
18.	161	<input type="text" value="25"/>	<input type="text" value="1.8"/>	18.
19.	161	<input type="text" value="25"/>	<input type="text" value="1.8"/>	19.
20.	395	<input type="text" value="25"/>	<input type="text" value="1.8"/>	20.
21.	460	<input type="text" value="30"/>	<input type="text" value="2"/>	21.
22.	460	<input type="text" value="30"/>	<input type="text" value="2"/>	22.
23.	440	<input type="text" value="30"/>	<input type="text" value="2"/>	23.
24.	445	<input type="text" value="30"/>	<input type="text" value="2"/>	24.
Total	7702	420	36	

---

Save

# Changing of Submitted Bid I

- Change of this bid is possible before exiting this menu.
  
- After confirmation of delivered bid (after saving of bid) modify desired hours
  
- Click **Save**

Date 19.12.2012

Border Direction ROMANIA-SERBIA(100%) Show data

---

Auction Participant: Auction Participant 1  
Date: 19.12.2012  
Border Direction: ROMANIA-SERBIA(100%)  
Bid Number: 10023928

---

Save

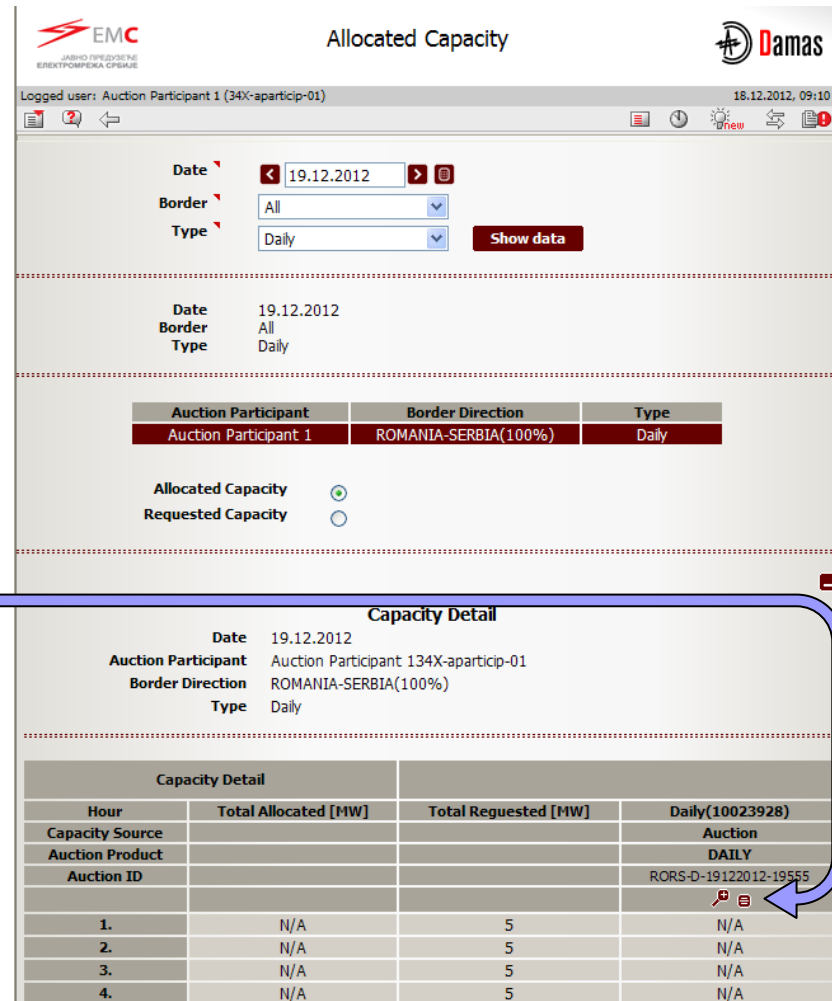
Hour	ATC [MW]	Bid Amount [MW]	Bid Price [EUR/MWh]	Hour
1.	106	<input type="text" value="5"/>	<input type="text" value="1"/>	1.
2.	96	<input type="text" value="5"/>	<input type="text" value="1"/>	2.
3.	96	<input type="text" value="5"/>	<input type="text" value="1"/>	3.
4.	96	<input type="text" value="5"/>	<input type="text" value="1"/>	4.
5.	192	<input type="text" value="12"/>	<input type="text" value="1.2"/>	5.
6.	372	<input type="text" value="12"/>	<input type="text" value="1.2"/>	6.
7.	407	<input type="text" value="12"/>	<input type="text" value="1.2"/>	7.
8.	301	<input type="text" value="12"/>	<input type="text" value="1.2"/>	8.
9.	297	<input type="text" value="14"/>	<input type="text" value="1.4"/>	9.
10.	308	<input type="text" value="15"/>	<input type="text" value="1.4"/>	10.
11.	310	<input type="text" value="15"/>	<input type="text" value="1.4"/>	11.
12.	347	<input type="text" value="15"/>	<input type="text" value="1.4"/>	12.
13.	397	<input type="text" value="20"/>	<input type="text" value="1.6"/>	13.
14.	465	<input type="text" value="20"/>	<input type="text" value="1.6"/>	14.
15.	465	<input type="text" value="20"/>	<input type="text" value="1.6"/>	15.
16.	465	<input type="text" value="20"/>	<input type="text" value="1.6"/>	16.
17.	460	<input type="text" value="25"/>	<input type="text" value="1.8"/>	17.
18.	161	<input type="text" value="25"/>	<input type="text" value="1.8"/>	18.
19.	161	<input type="text" value="25"/>	<input type="text" value="1.8"/>	19.
20.	395	<input type="text" value="25"/>	<input type="text" value="1.8"/>	20.
21.	460	<input type="text" value="30"/>	<input type="text" value="2"/>	21.
22.	460	<input type="text" value="30"/>	<input type="text" value="2"/>	22.
23.	440	<input type="text" value="30"/>	<input type="text" value="2"/>	23.
24.	445	<input type="text" value="30"/>	<input type="text" value="2"/>	24.
Total	7702	428	36	

Save



# Changing of Submitted Bid II

- After exiting from bidding menu change of submitted bid is possible in **Allocated capacity** menu by:
  - Selecting Date, Border and Daily Type
  - Chosing Border Direction
  - Selecting Capacity adjusment



**Allocated Capacity**

Logged user: Auction Participant 1 (34X-apaticip-01) 18.12.2012, 09:10

Date: 19.12.2012  
 Border: All  
 Type: Daily **Show data**

Auction Participant	Border Direction	Type
Auction Participant 1	ROMANIA-SERBIA(100%)	Daily

Allocated Capacity   
 Requested Capacity

**Capacity Detail**

Date: 19.12.2012  
 Auction Participant: Auction Participant 134X-apaticip-01  
 Border Direction: ROMANIA-SERBIA(100%)  
 Type: Daily

Hour	Total Allocated [MW]	Total Requested [MW]	Daily(10023928)
Capacity Source			Auction
Auction Product			DAILY
Auction ID			RORS-D-19122012-19555
1.	N/A	5	N/A
2.	N/A	5	N/A
3.	N/A	5	N/A
4.	N/A	5	N/A

# Changing of Submitted Bid II

Date

Border Direction

---

Auction Participant: Auction Participant 1  
 Date: 19.12.2012  
 Border Direction: ROMANIA-SERBIA(100%)  
 Bid Number: 10023928

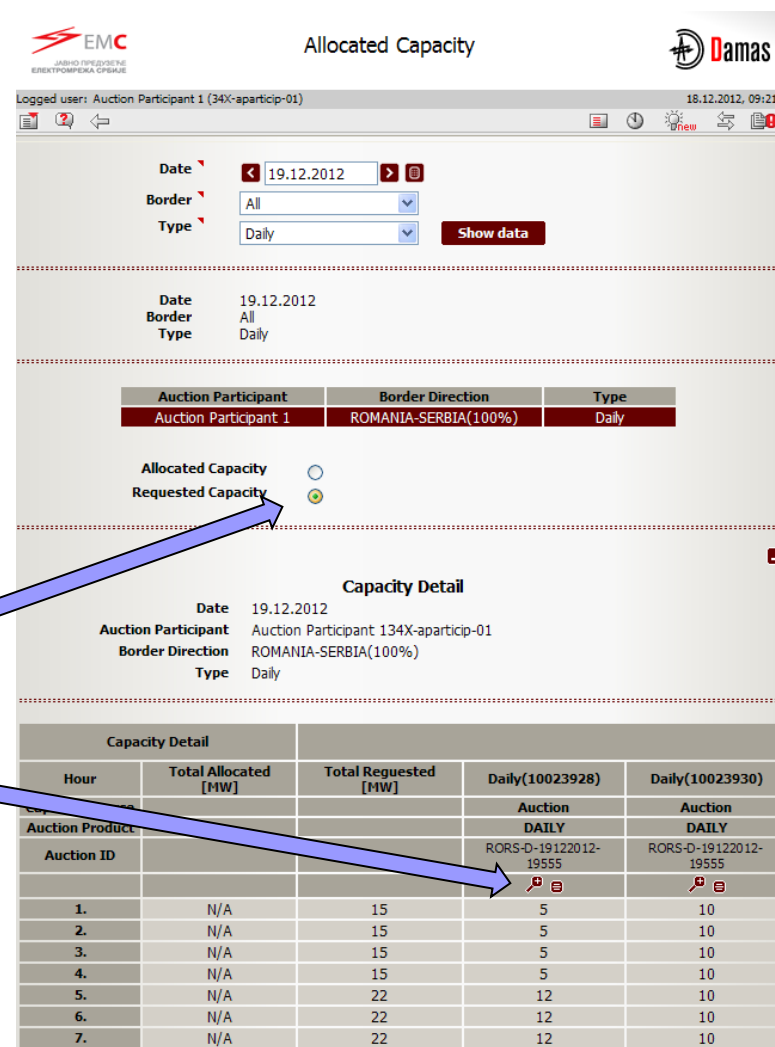
---

Hour	ATC [MW]	Bid Amount [MW]	Bid Price [EUR/MWh]	Hour
		<input type="text" value="5"/>	<input type="text" value="1"/>	
1.	106	<input type="text" value="5"/>	<input type="text" value="1"/>	1.
2.	96	<input type="text" value="5"/>	<input type="text" value="1"/>	2.
3.	96	<input type="text" value="5"/>	<input type="text" value="1"/>	3.
4.	96	<input type="text" value="5"/>	<input type="text" value="1"/>	4.
5.	192	<input type="text" value="12"/>	<input type="text" value="1.2"/>	5.
6.	372	<input type="text" value="12"/>	<input type="text" value="1.2"/>	6.
7.	407	<input type="text" value="12"/>	<input type="text" value="1.2"/>	7.
8.	301	<input type="text" value="12"/>	<input type="text" value="1.2"/>	8.
9.	297	<input type="text" value="15"/>	<input type="text" value="1.4"/>	9.
10.	308	<input type="text" value="15"/>	<input type="text" value="1.4"/>	10.
11.	310	<input type="text" value="15"/>	<input type="text" value="1.4"/>	11.
12.	347	<input type="text" value="15"/>	<input type="text" value="1.4"/>	12.
13.	397	<input type="text" value="20"/>	<input type="text" value="1.6"/>	13.
14.	465	<input type="text" value="20"/>	<input type="text" value="1.6"/>	14.
15.	465	<input type="text" value="20"/>	<input type="text" value="1.6"/>	15.
16.	465	<input type="text" value="20"/>	<input type="text" value="1.6"/>	16.
17.	460	<input type="text" value="25"/>	<input type="text" value="1.8"/>	17.
18.	161	<input type="text" value="25"/>	<input type="text" value="1.8"/>	18.
19.	161	<input type="text" value="25"/>	<input type="text" value="1.8"/>	19.
20.	395	<input type="text" value="25"/>	<input type="text" value="2.0"/>	20.
21.	460	<input type="text" value="30"/>	<input type="text" value="2.5"/>	21.
22.	460	<input type="text" value="30"/>	<input type="text" value="2.5"/>	22.
23.	440	<input type="text" value="30"/>	<input type="text" value="2.5"/>	23.
24.	445	<input type="text" value="30"/>	<input type="text" value="2.5"/>	24.
<b>Total</b>	<b>7702</b>	<b>428</b>	<b>38</b>	

---

# Alocated Capacity – Preview of Submitted Bids

- Preview of subbmited bids is possible in **Allocated capacity** menu by:
  - Selecting Date, Border and Daily Type
  - Choosing Border Direction
  - Selecting Requested Capacity
  - Selecting Capacity Detail



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Allocated Capacity

Damas

Logged user: Auction Participant 1 (34X-apatip-01) 18.12.2012, 09:21

Date: 19.12.2012

Border: All

Type: Daily

Show data

---

Date: 19.12.2012

Border: All

Type: Daily

Auction Participant	Border Direction	Type
Auction Participant 1	ROMANIA-SERBIA(100%)	Daily

Allocated Capacity

Requested Capacity

---

Capacity Detail

Date: 19.12.2012

Auction Participant: Auction Participant 134X-apatip-01

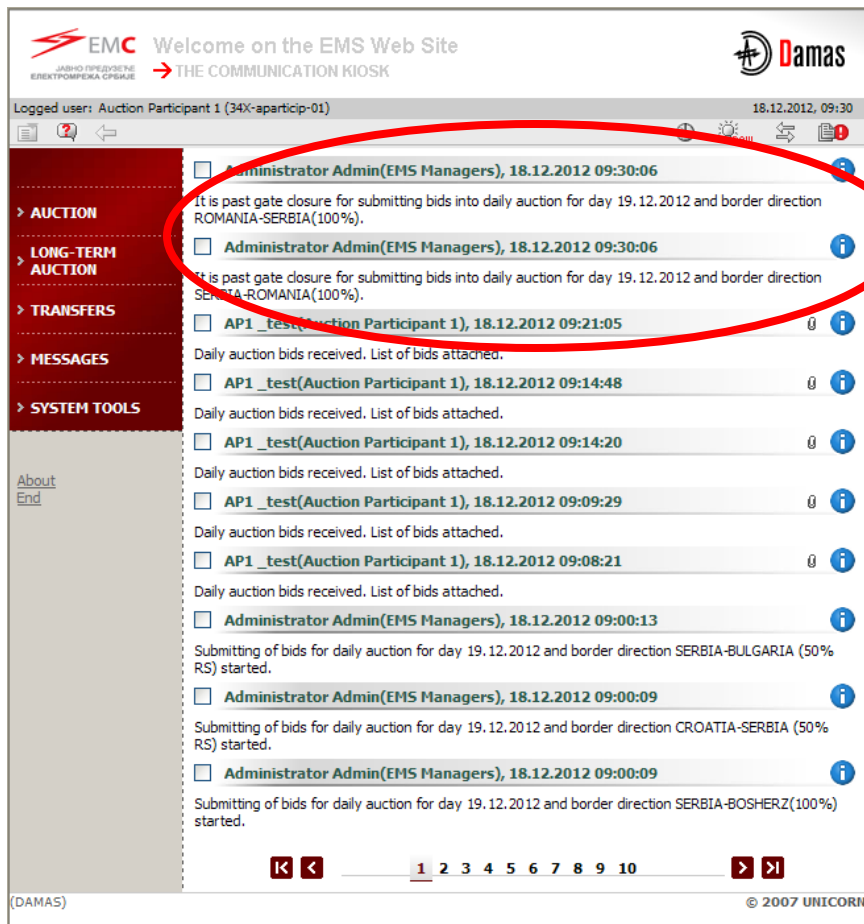
Border Direction: ROMANIA-SERBIA(100%)

Type: Daily

Capacity Detail				
Hour	Total Allocated [MW]	Total Requested [MW]	Daily(10023928)	Daily(10023930)
			Auction	Auction
			DAILY	DAILY
			RORS-D-19122012-19555	RORS-D-19122012-19555
1.	N/A	15	5	10
2.	N/A	15	5	10
3.	N/A	15	5	10
4.	N/A	15	5	10
5.	N/A	22	12	10
6.	N/A	22	12	10
7.	N/A	22	12	10

# Gate Closure for Submitting Bids

- Submitting bids is not possible after 9:30.



EMC Welcome on the EMS Web Site  
ЈАВНО ПРЕДУЗЕЋЕ ЕЛЕКТРОМРЕЖА СРБИЈЕ → THE COMMUNICATION KIOSK

Damas

Logged user: Auction Participant 1 (34X-apatric-01) 18.12.2012, 09:30

- Administrator Admin(EMS Managers), 18.12.2012 09:30:06  
It is past gate closure for submitting bids into daily auction for day 19.12.2012 and border direction ROMANIA-SERBIA(100%).
- Administrator Admin(EMS Managers), 18.12.2012 09:30:06  
It is past gate closure for submitting bids into daily auction for day 19.12.2012 and border direction ROMANIA-SERBIA(100%).
- AP1\_test(Auction Participant 1), 18.12.2012 09:21:05  
Daily auction bids received. List of bids attached.
- AP1\_test(Auction Participant 1), 18.12.2012 09:14:48  
Daily auction bids received. List of bids attached.
- AP1\_test(Auction Participant 1), 18.12.2012 09:14:20  
Daily auction bids received. List of bids attached.
- AP1\_test(Auction Participant 1), 18.12.2012 09:09:29  
Daily auction bids received. List of bids attached.
- AP1\_test(Auction Participant 1), 18.12.2012 09:08:21  
Daily auction bids received. List of bids attached.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:13  
Submitting of bids for daily auction for day 19.12.2012 and border direction SERBIA-BULGARIA (50% RS) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:09  
Submitting of bids for daily auction for day 19.12.2012 and border direction CROATIA-SERBIA (50% RS) started.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:09  
Submitting of bids for daily auction for day 19.12.2012 and border direction SERBIA-BOSHERZ(100%) started.

(DAMAS) © 2007 UNICORN



Capacity creation/change - Windows Internet Explorer

https://damas-test.ems.rs/DMSFShowMessage.asp Certificate Error

**Error**

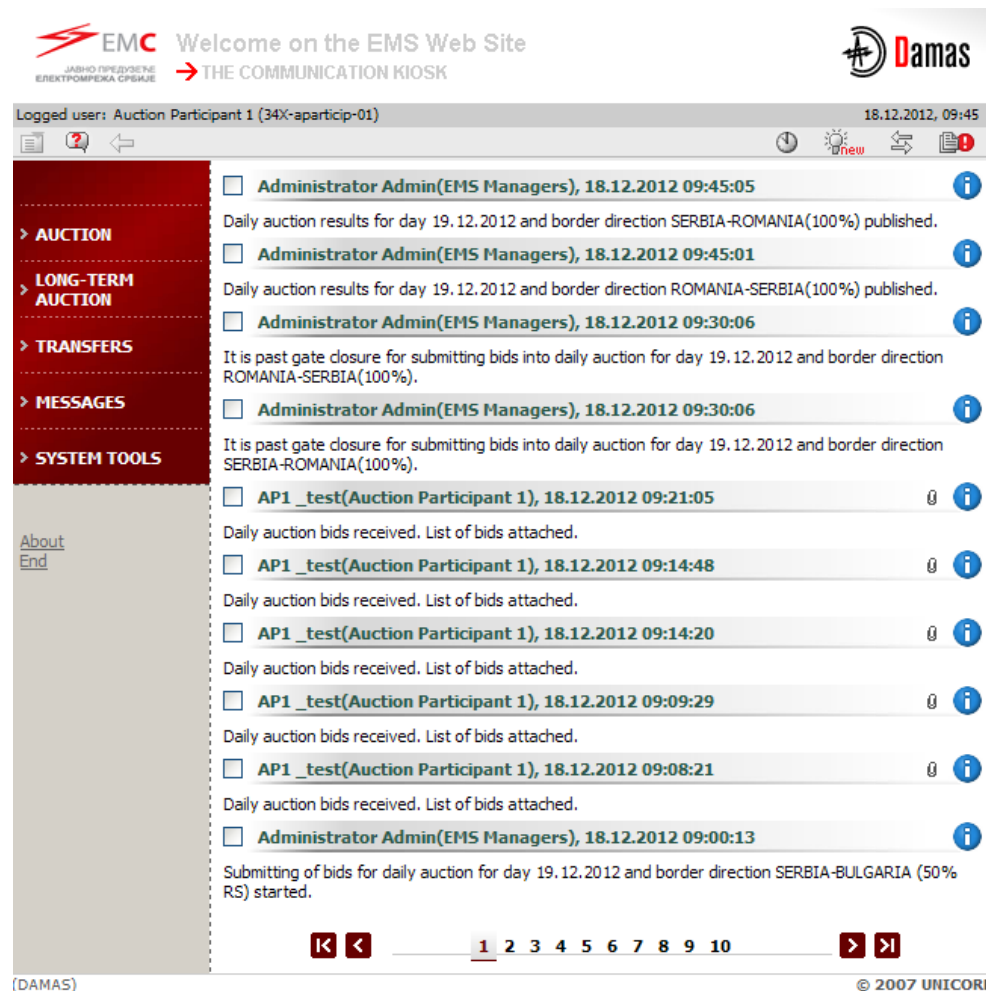
It is not possible to submit daily auction bid in current system state.

OK

Done Internet 100%

# Daily Auction Results Publishing

- Daily auction results are published in DAMAS system at 9:40
- Daily auction results are published on EMS web-site at 10:15.



The screenshot displays the EMS Web Site interface. At the top, it says "Welcome on the EMS Web Site" and "THE COMMUNICATION KIOSK". The user is logged in as "Auction Participant 1 (34X-aparticip-01)" on "18.12.2012, 09:45". The interface features a navigation menu on the left with categories: AUCTION, LONG-TERM AUCTION, TRANSFERS, MESSAGES, and SYSTEM TOOLS. The main content area shows a list of messages and bids:

- Administrator Admin(EMS Managers), 18.12.2012 09:45:05**: Daily auction results for day 19. 12.2012 and border direction SERBIA-ROMANIA(100%) published.
- Administrator Admin(EMS Managers), 18.12.2012 09:45:01**: Daily auction results for day 19. 12.2012 and border direction ROMANIA-SERBIA(100%) published.
- Administrator Admin(EMS Managers), 18.12.2012 09:30:06**: It is past gate closure for submitting bids into daily auction for day 19. 12.2012 and border direction ROMANIA-SERBIA(100%).
- Administrator Admin(EMS Managers), 18.12.2012 09:30:06**: It is past gate closure for submitting bids into daily auction for day 19. 12.2012 and border direction SERBIA-ROMANIA(100%).
- AP1\_test(Auction Participant 1), 18.12.2012 09:21:05**: Daily auction bids received. List of bids attached.
- AP1\_test(Auction Participant 1), 18.12.2012 09:14:48**: Daily auction bids received. List of bids attached.
- AP1\_test(Auction Participant 1), 18.12.2012 09:14:20**: Daily auction bids received. List of bids attached.
- AP1\_test(Auction Participant 1), 18.12.2012 09:09:29**: Daily auction bids received. List of bids attached.
- AP1\_test(Auction Participant 1), 18.12.2012 09:08:21**: Daily auction bids received. List of bids attached.
- Administrator Admin(EMS Managers), 18.12.2012 09:00:13**: Submitting of bids for daily auction for day 19. 12.2012 and border direction SERBIA-BULGARIA (50% RS) started.

At the bottom, there is a pagination control showing "1" as the current page, with navigation arrows and page numbers 2 through 10. The footer includes "(DAMAS)" and "© 2007 UNICORN".

# Daily Auction Results - Preview of Allocated Capacity

Date: 19.12.2012  
Border: All  
Type: Daily

Auction Participant	Border Direction	Type
Auction Participant 1	ROMANIA-SERBIA(100%)	Daily

Allocated Capacity:   
Requested Capacity:

**Capacity Detail**

Date: 19.12.2012  
Auction Participant: Auction Participant 134X-aparticip-01  
Border Direction: ROMANIA-SERBIA(100%)  
Type: Daily

Capacity Detail				
Hour	Total Allocated [MW]	Total Requested [MW]	Daily(10023928)	Daily(10023930)
			Auction	Auction
			DAILY	DAILY
			RORS-D-19122012-19555	RORS-D-19122012-19555
1.	0	15	0	0
2.	0	15	0	0
3.	0	15	0	0
4.	0	15	0	0
5.	17	22	12	5
6.	22	22	12	10
7.	22	22	12	10

EMC ЈАВНО ПРЕДУЗЕЋЕ ЕЛЕКТРОМРЕЖА СРБИЈЕ

Capacity Detail

Damas

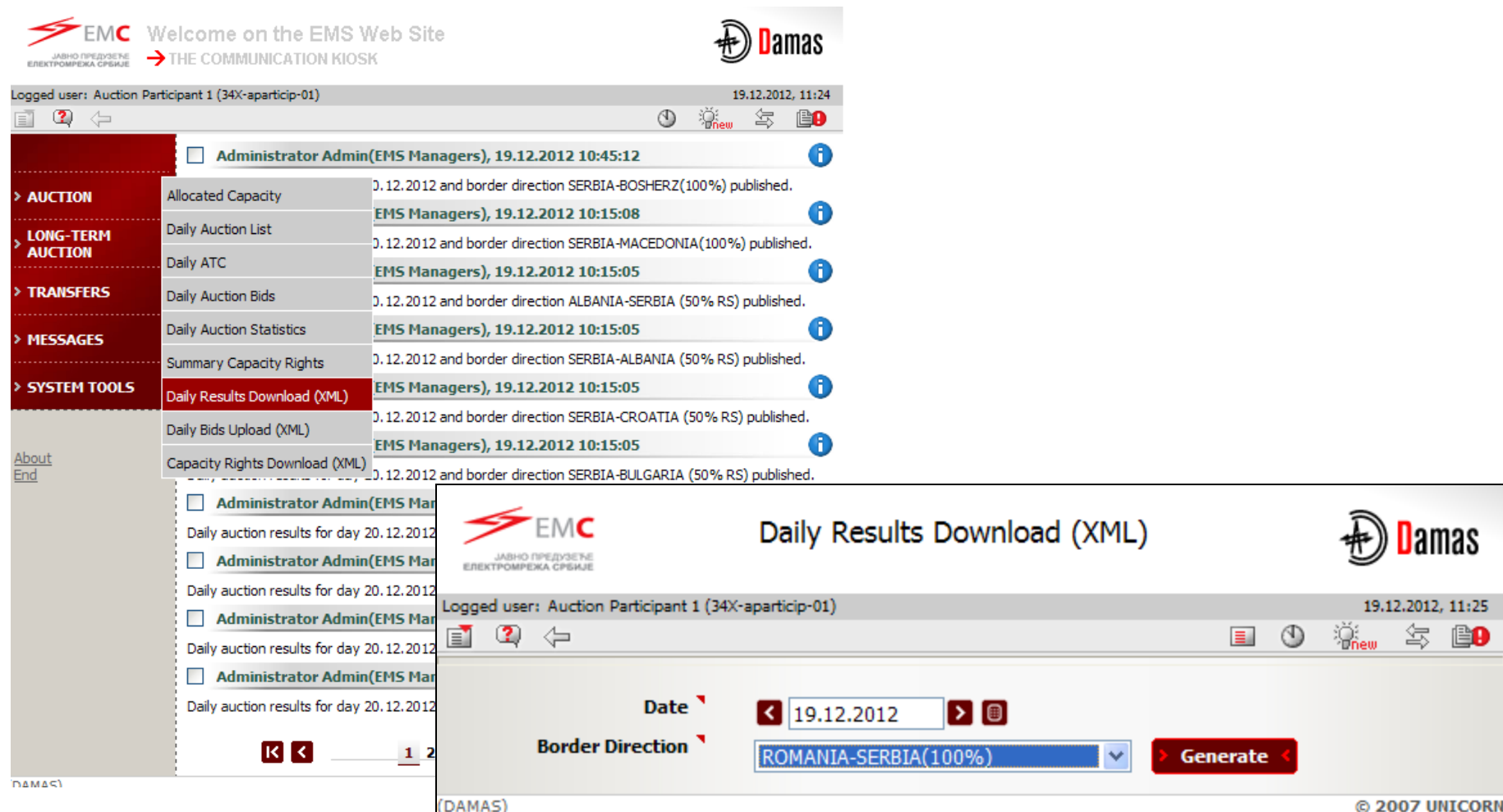
Logged user: Auction Participant 1 (34X-aparticip-01) 18.12.2012, 09:48

Bid Number: 10023928  
Auction Participant: Auction Participant 1 (34X-aparticip-01)  
Date: 19.12.2012  
Auction ID: RORS-D-19122012-19555  
Border Direction: ROMANIA-SERBIA(100%)  
Auction Product: DAILY

Hour	ATC [MW]	Bid Amount [MW]	Bid Price [EUR/MWh]	Allocated Capacity [MW]	Auction Price [EUR/MWh]	Bid Status	Hour
1.	106	5	1	0	2	✗	1.
2.	96	5	1	0	2	✗	2.
3.	96	5	1	0	2	✗	3.
4.	96	5	1	0	2	✗	4.
5.	192	12	1.2	12	1.1	✓	5.
6.	372	12	1.2	12	0	✓	6.
7.	407	12	1.2	12	0	✓	7.
8.	301	12	1.2	12	0	✓	8.
9.	297	15	1.4	15	0	✓	9.
10.	308	15	1.4	15	0	✓	10.
11.	310	15	1.4	15	0	✓	11.
12.	347	15	1.4	15	0	✓	12.
13.	397	20	1.6	20	0	✓	13.
14.	465	20	1.6	20	0	✓	14.
15.	465	20	1.6	20	0	✓	15.
16.	465	20	1.6	20	0	✓	16.
17.	460	25	1.8	25	0	✓	17.
18.	161	25	1.8	0	2	✗	18.
19.	161	25	1.8	0	2	✗	19.
20.	395	25	1.8	25	0	✓	20.
21.	460	30	2.5	30	0	✓	21.
22.	460	30	2.5	30	0	✓	22.
23.	440	30	2.5	30	0	✓	23.
24.	445	30	2.5	30	0	✓	24.

# Daily Auction Results – Download XML file

- Possibility to download ECAN XML file (Allocation Results Document) with daily auction results



The screenshot displays the EMS Web Site interface. The top header includes the EMC logo and the text "Welcome on the EMS Web Site" and "THE COMMUNICATION KIOSK". The user is logged in as "Auction Participant 1 (34X-aparticip-01)" on 19.12.2012 at 11:24.

The left sidebar contains a navigation menu with the following categories:

- AUCTION
- LONG-TERM AUCTION
- TRANSFERS
- MESSAGES
- SYSTEM TOOLS

The "SYSTEM TOOLS" category is expanded, showing the following options:

- Administrators Admin(EMS Managers), 19.12.2012 10:45:12
- Allocated Capacity 0. 12. 2012 and border direction SERBIA-BOSHERZ(100%) published. EMS Managers), 19.12.2012 10:15:08
- Daily Auction List 0. 12. 2012 and border direction SERBIA-MACEDONIA(100%) published. EMS Managers), 19.12.2012 10:15:05
- Daily ATC 0. 12. 2012 and border direction ALBANIA-SERBIA (50% RS) published. EMS Managers), 19.12.2012 10:15:05
- Daily Auction Bids 0. 12. 2012 and border direction SERBIA-CROATIA (50% RS) published. EMS Managers), 19.12.2012 10:15:05
- Daily Auction Statistics 0. 12. 2012 and border direction SERBIA-ALBANIA (50% RS) published. EMS Managers), 19.12.2012 10:15:05
- Summary Capacity Rights 0. 12. 2012 and border direction SERBIA-BULGARIA (50% RS) published. EMS Managers), 19.12.2012 10:15:05
- Daily Results Download (XML)**
- Daily Bids Upload (XML)
- Capacity Rights Download (XML)

The "Daily Results Download (XML)" option is selected, leading to a detailed view of the download options. The page title is "Daily Results Download (XML)". The user is logged in as "Auction Participant 1 (34X-aparticip-01)" on 19.12.2012 at 11:25.

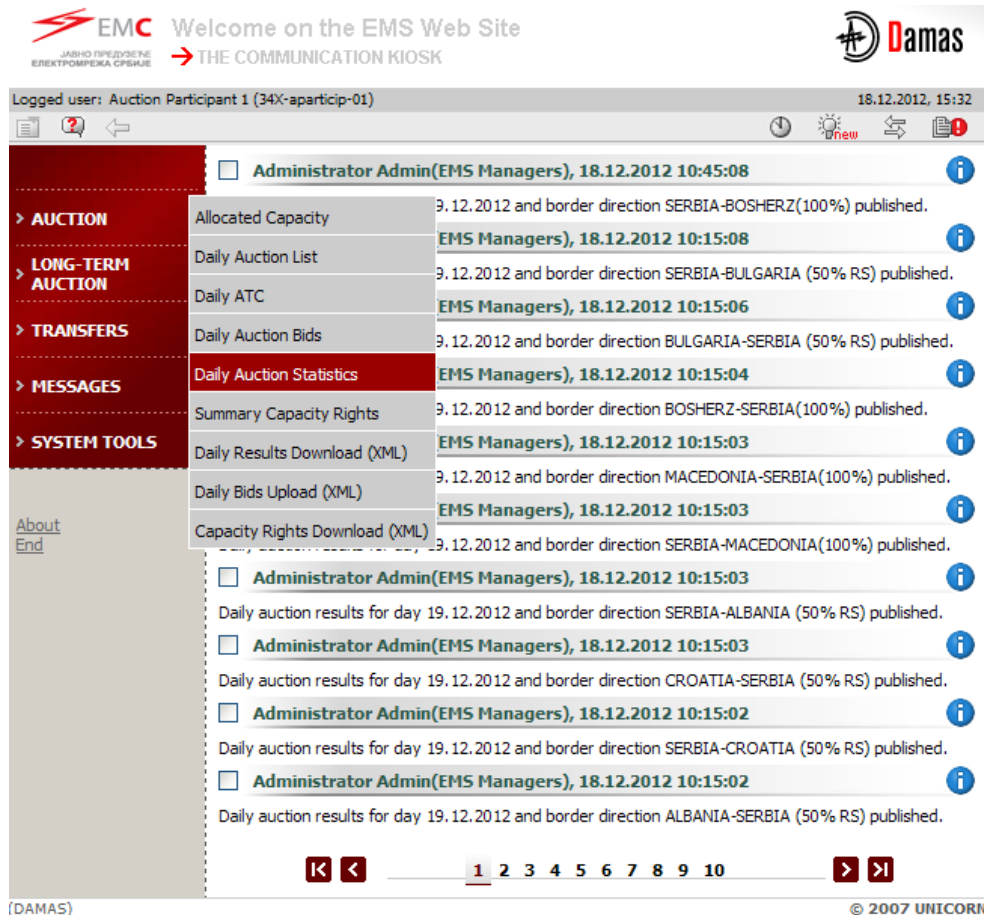
The interface shows the following fields and controls:

- Date:** 19.12.2012
- Border Direction:** ROMANIA-SERBIA(100%)
- Generate:** A red button to generate the XML file.

The footer of the page includes the text "(DAMAS)" and "© 2007 UNICORN".

# Daily Auction Results – Public Results

## ➤ Preview of Daily Auction Statistics



Welcome on the EMS Web Site  
→ THE COMMUNICATION KIOSK

Logged user: Auction Participant 1 (34X-aparticip-01) 18.12.2012, 15:32

- Administrator Admin(EMS Managers), 18.12.2012 10:45:08
- Allocated Capacity 9. 12. 2012 and border direction SERBIA-BOSHERZ(100%) published. EMS Managers), 18.12.2012 10:15:08
- Daily Auction List 9. 12. 2012 and border direction SERBIA-BULGARIA (50% RS) published. EMS Managers), 18.12.2012 10:15:06
- Daily ATC 9. 12. 2012 and border direction BULGARIA-SERBIA (50% RS) published. EMS Managers), 18.12.2012 10:15:04
- Daily Auction Bids 9. 12. 2012 and border direction BOSHERZ-SERBIA(100%) published. EMS Managers), 18.12.2012 10:15:03
- Daily Auction Statistics 9. 12. 2012 and border direction MACEDONIA-SERBIA(100%) published. EMS Managers), 18.12.2012 10:15:03
- Summary Capacity Rights 9. 12. 2012 and border direction SERBIA-MACEDONIA(100%) published.
- Daily Results Download (XML)
- Daily Bids Upload (XML)
- Capacity Rights Download (XML)

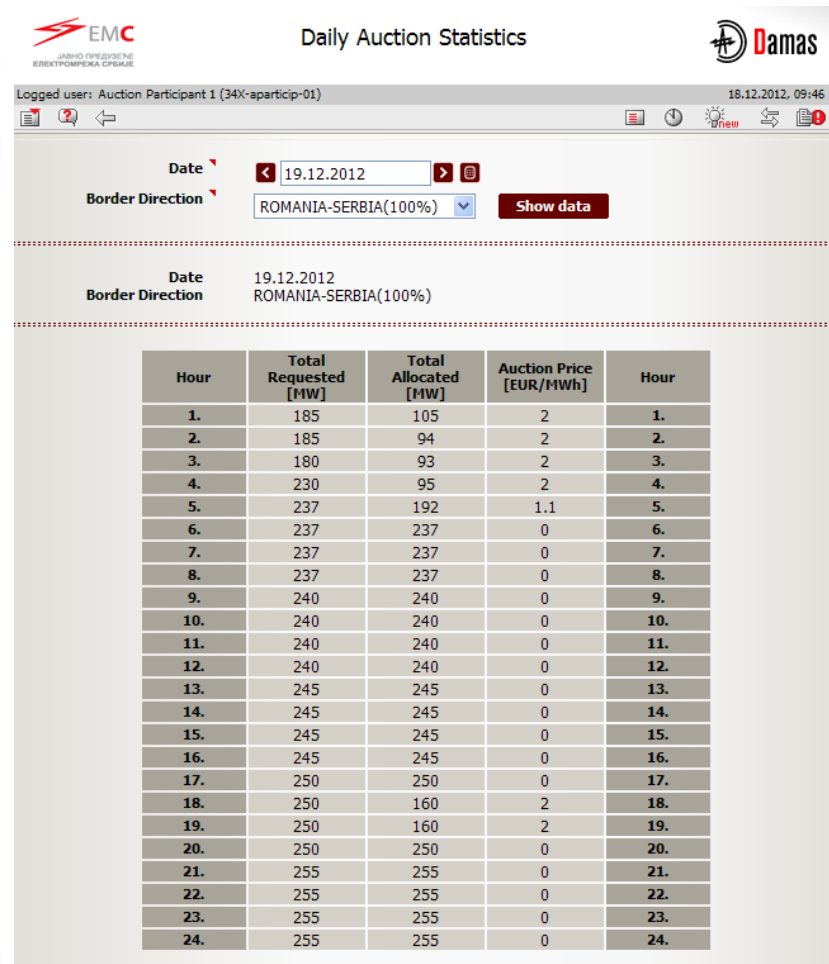
Administrator Admin(EMS Managers), 18.12.2012 10:15:03  
Daily auction results for day 19. 12. 2012 and border direction SERBIA-ALBANIA (50% RS) published.

Administrator Admin(EMS Managers), 18.12.2012 10:15:03  
Daily auction results for day 19. 12. 2012 and border direction CROATIA-SERBIA (50% RS) published.

Administrator Admin(EMS Managers), 18.12.2012 10:15:02  
Daily auction results for day 19. 12. 2012 and border direction SERBIA-CROATIA (50% RS) published.

Administrator Admin(EMS Managers), 18.12.2012 10:15:02  
Daily auction results for day 19. 12. 2012 and border direction ALBANIA-SERBIA (50% RS) published.

Navigation: 1 2 3 4 5 6 7 8 9 10



Daily Auction Statistics

Logged user: Auction Participant 1 (34X-aparticip-01) 18.12.2012, 09:46

Date: 19.12.2012  
Border Direction: ROMANIA-SERBIA(100%)  
Show data

Date: 19.12.2012  
Border Direction: ROMANIA-SERBIA(100%)

Hour	Total Requested [MW]	Total Allocated [MW]	Auction Price [EUR/MWh]	Hour
1.	185	105	2	1.
2.	185	94	2	2.
3.	180	93	2	3.
4.	230	95	2	4.
5.	237	192	1.1	5.
6.	237	237	0	6.
7.	237	237	0	7.
8.	237	237	0	8.
9.	240	240	0	9.
10.	240	240	0	10.
11.	240	240	0	11.
12.	240	240	0	12.
13.	245	245	0	13.
14.	245	245	0	14.
15.	245	245	0	15.
16.	245	245	0	16.
17.	250	250	0	17.
18.	250	160	2	18.
19.	250	160	2	19.
20.	250	250	0	20.
21.	255	255	0	21.
22.	255	255	0	22.
23.	255	255	0	23.
24.	255	255	0	24.



# Submitting Bids via .XML File

# Submitting Daily Bids via XML


- One daily auction = One Border Direction = One XML file
- It is not possible to submit one xml for both directions

Logged user: Auction Participant 1 (34X-apatcip-01) 24.12.2012, 10:25


Navigation icons: Home, Help, Back, Forward, Refresh, Print

<input type="checkbox"/>	<b>Administrator Admin(EMS Managers), 24.12.2012 10:15:04</b>	<a href="#">i</a>
> AUCTION	Allocated Capacity	5. 12. 2012 and border direction CROATIA-SERBIA (50% RS) published.
> LONG-TERM AUCTION	Daily Auction List	<b>EMS Managers), 24.12.2012 10:15:04</b>
> TRANSFERS	Daily ATC	5. 12. 2012 and border direction SERBIA-CROATIA (50% RS) published.
> MESSAGES	Daily Auction Bids	<b>EMS Managers), 24.12.2012 10:15:03</b>
> SYSTEM TOOLS	Daily Auction Statistics	5. 12. 2012 and border direction SERBIA-ALBANIA (50% RS) published.
	Summary Capacity Rights	<b>EMS Managers), 24.12.2012 10:15:03</b>
	Daily Results Download (XML)	5. 12. 2012 and border direction BULGARIA-SERBIA (50% RS) published.
	Daily Bids Upload (XML)	<b>EMS Managers), 24.12.2012 10:15:03</b>
	Capacity Rights Download (XML)	5. 12. 2012 and border direction ALBANIA-SERBIA (50% RS) published.
		<b>EMS Managers), 24.12.2012 10:15:03</b>
	<input type="checkbox"/>	<b>Administrator Admin(EMS Managers), 24.12.2012 10:15:03</b>
		Daily auction results for day 25. 12. 2012 and border direction MACEDONIA-SERBIA(100%) published.
	<input type="checkbox"/>	<b>Administrator Admin(EMS Managers), 24.12.2012 10:15:02</b>
		Daily auction results for day 25. 12. 2012 and border direction SERBIA-MACEDONIA(100%) published.
	<input type="checkbox"/>	<b>Administrator Admin(EMS Managers), 24.12.2012 10:15:02</b>
		Daily auction results for day 25. 12. 2012 and border direction SERBIA-BULGARIA (50% RS) published.
	<input type="checkbox"/>	<b>Administrator Admin(EMS Managers), 24.12.2012 10:00:06</b>
		It is past gate closure for submitting bids into daily auction for day 25. 12. 2012 and border direction SERBIA-CROATIA (50% RS).

Navigation: < < 1 2 3 4 5 6 7 8 9 10 > >



Daily Bids Upload (XML)



Logged user: Auction Participant 1 (34X-apatcip-01) 24.12.2012, 10:25

Navigation icons: Home, Help, Back, Forward, Refresh, Print

Upload XML file

(DAMAS) © 2007 UNICORN

## Submitting bids via XML

- One Bid = one Timeseries in .XML file
- Adding additional bid(s) : .XML must contain previous bid (existing TimeSeries) and new TimeSeries (for new Bid(s))
- Maximum Five bids can be submitted in one .XML file (e.g. five TimeSeries for five Bids)
- **”Document Identification”** in .XML file must be same as in first successfully submitted .xml file for that border direction.
- **”Document Identification”** in .XML must be different for separate auctions

- Every time when new bid is added through web form Bid Document Version will be automatically increased.
- Changing of delivered bid via XML is possible by
  - selecting Capacity adjustment button (Allocated Capacity menu; Bid Document Version will be automatically increased)
  - uploading new .xml file with modified values ("**DocumentVersion**" must be increased)
- Adding new bid after submitting .xml file is possible through
  - web form
  - .xml by adding new 24 hours time series (rest of time series must be contained in .xml file, Document version must be increased).
- Delivering new bid via .xml file with previously added bid(s) via web form is possible only if .xml file contains bid(s) added through web form. In that case (when creating new .xml file):
  - "**BidIdentification**" for submitted bid(s) via web form must be same as Bid Number from DAMAS system
  - "**DocumentVersion**" must be increased counting .xml version and added bid(s) through web form

# XML preview for daily auction for 25.12.2012.

```

<?xml version="1.0" encoding="UTF-8" ?>
<BidDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:noNamespaceSchemaLocation="../schema/bid-document.xsd" DtdVersion="2" DtdRelease="0" >
  <DocumentIdentification v="A24_34X-APARTICIP-01_19543"/>
  <DocumentVersion v="1"/>
  <DocumentType v="A24"/>
  <SenderIdentification codingScheme="A01" v="34X-APARTICIP-01"/>
  <SenderRole v="A29"/>
  <ReceiverIdentification codingScheme="A01" v="10XCS-SERBIATS08"/>
  <ReceiverRole v="A07"/>
  <CreationDateTime v="2012-12-24T09:07:47Z"/>
  <BidTimeInterval v="2012-12-24T23:00Z/2012-12-25T23:00Z"/>
  <Domain v="10YCS-SERBIATS0V" codingScheme="A01"/>
  <SubjectParty v="34X-APARTICIP-01" codingScheme="A01"/>
  <SubjectRole v="A29"/>
  <BidTimeSeries>
    <BidIdentification v="1"/>
    <AuctionIdentification v="RORS-D-25122012-19627"/>
    <BusinessType v="A03"/>
    <InArea codingScheme="A01" v="10YCS-SERBIATS0V"/>
    <OutArea codingScheme="A01" v="10YRO-TEL-----P"/>
    <MeasureUnitQuantity v="MAW"/>
    <Currency v="EUR"/>
    <Measureunitprice v="MWH"/>
    <Divisible v="A01"/>
    <BlockBid v="A02"/>
    <Period>
      <TimeInterval v="2012-12-24T23:00Z/2012-12-25T23:00Z"/>
      <Resolution v="PT60M"/>
      <Interval>
        <Pos v="1"/>
        <Qty v="12.0"/>
        <PriceAmount v="4.50"/>
      </Interval>
      <Interval>
        <Pos v="2"/>
        <Qty v="12.0"/>
        <PriceAmount v="4.50"/>
      </Interval>
      .....
      <Interval>
        <Pos v="23"/>
        <Qty v="12.0"/>
        <PriceAmount v="4.50"/>
      </Interval>
      <Interval>
        <Pos v="24"/>
        <Qty v="12.0"/>
        <PriceAmount v="4.50"/>
      </Interval>
    </Period>
  </BidTimeSeries>
</BidDocument>

```

DocumentIdentification: Anything, Not allowed to change during one daily auction

DocumentVersion: When new time series added Increase by 1

SenderIdentification: Participant's EIC code

DateTime of .XML creation

BidTimeInterval for day D: D-1 23:00 / D 23:00

SubjectParty: Participant's EIC code

Auction ID for desired Auction (from DAMAS system)

BidTimeInterval for day D: D-1 23:00 / D 23:00

Bids – Pos. (Hour), Qty (Bid amount), Price Amount (Bid Price)

## ■ Second bid

```

<BidTimeSeries>
  <BidIdentification v="2"/>
  <AuctionIdentification v="RORS-D-25122012-19627"/>
  <BusinessType v="A03"/>
  <InArea codingScheme="A01" v="10YCS-SERBIATSOV"/>
  <OutArea codingScheme="A01" v="10YRO-TEL-----P"/>
  <MeasureUnitQuantity v="MAW"/>
  <Currency v="EUR"/>
  <Measureunitprice v="MWH"/>
  <Divisible v="A01"/>
  <BlockBid v="A02"/>
  <Period>
    <TimeInterval v="2012-12-24T23:00Z/2012-12-25T23:00Z"/>
    <Resolution v="PT60M"/>
    <Interval>
      <Pos v="1"/>
      <Qty v="30.0"/>
      <PriceAmount v="2.00"/>
    </Interval>
    <Interval>
      <Pos v="2"/>
      <Qty v="30.0"/>
      <PriceAmount v="2.00"/>
    </Interval>
    .....
    <Interval>
      <Pos v="23"/>
      <Qty v="30.0"/>
      <PriceAmount v="2.00"/>
    </Interval>
    <Interval>
      <Pos v="24"/>
      <Qty v="30.0"/>
      <PriceAmount v="2.00"/>
    </Interval>
  </Period>
</BidTimeSeries>

```

## ■ Third bid

Last row in .xml file

```
<BidTimeSeries>
  <BidIdentification v="3" />
  <AuctionIdentification v="RORS-D-25122012-19627" />
  <BusinessType v="A03" />
  <InArea codingScheme="A01" v="10YCS-SERBIATSOV" />
  <OutArea codingScheme="A01" v="10YRO-TEL-----P" />
  <MeasureUnitQuantity v="MAW" />
  <Currency v="EUR" />
  <Measureunitprice v="MWH" />
  <Divisible v="A01" />
  <BlockBid v="A02" />
  <Period>
    <TimeInterval v="2012-12-24T23:00Z/2012-12-25T23:00Z" />
    <Resolution v="PT60M" />
    <Interval>
      <Pos v="1" />
      <Qty v="13.0" />
      <PriceAmount v="4.00" />
    </Interval>
    <Interval>
      <Pos v="2" />
      <Qty v="13.0" />
      <PriceAmount v="4.00" />
    </Interval>
    .....
    <Interval>
      <Pos v="23" />
      <Qty v="13.0" />
      <PriceAmount v="4.00" />
    </Interval>
    <Interval>
      <Pos v="24" />
      <Qty v="13.0" />
      <PriceAmount v="4.00" />
    </Interval>
  </Period>
</BidTimeSeries>
</BidDocument>
```

**THANKS FOR YOUR  
ATTENTION**