

# DAMAS – Continuous Intraday Module

**Workshop and presentations - EMS**

**Belgrade, December 6<sup>th</sup> 2013.**

# THE INTRODUCTION

The Continuous Intraday Module is implemented to support continuous intraday trading on desired borders with neighbouring TSOs. The module introduces a new First-Come-First-Served (FCFS) auction evaluation algorithm – auction bids coming from Balance Responsible Parties are processed in an order they have been received. The bids processing is performed immediately after receiving.

# THE INTRODUCTION

The web forms are accessible through DAMAS menu available on the left-side of the main screen. The menu items with a brief introduction are provided below:

<b>AUCTION</b>	
<b>LONG-TERM AUCTION</b>	
<b>TRANSFERS</b>	
<b>CONTINUOUS INTRADAY</b>	Dashboard
<b>NOTICEBOARD</b>	Intraday Offered Capacity
<b>INVOICING</b>	Intraday Bids Overview
<b>MESSAGES</b>	Intraday Bid Form
<b>MESSAGES</b>	Intraday Bids Upload (XML)
<b>SYSTEM TOOLS</b>	

# THE INTRODUCTION

- ▶ **Dashboard** – an overview of continuous intraday auctions operated by EMS for a given business day. Provides information about hourly available ATC, requested / allocated capacity. Refreshed in a defined time interval.
- ▶ **Intraday Offered Capacity** – a web form for entering available intraday ATC for a given border direction and business day.
- ▶ **Intraday Bids Overview** – an overview of bids accepted for a continuous intraday auctions operated by EMS.
- ▶ **Intraday Bid Form** – a web form for entering hourly bids for continuous intraday auctions operated by EMS.
- ▶ **Intraday Bids Upload (XML)** – a web form for uploading bids for continuous intraday auctions in the XML file format.

# DASHBOARD

The *Dashboard* web form displays current information about the status of continuous intraday auctions, available intraday ATC, requested and allocated capacity. Additionally, it may also inform about amounts of allocated TRM.

**Selection Parameters:** Date, Border, Include TRM, Refresh Interval [sec], Show data.

## Auction Summary section

The main section of the form contains a table which lists the remaining available ATC and summaries of all Balance Responsible Party's requested and allocated capacities for the given continuous intraday auction(s) on a certain date.

# DASHBOARD



Dashboard



TSMO  
ELEKTROMREŽA SRBIJE

Logged user: Auction Participant 01 (10XAUC-PAR----01) 25.6.2013, 17:37

Include TRM

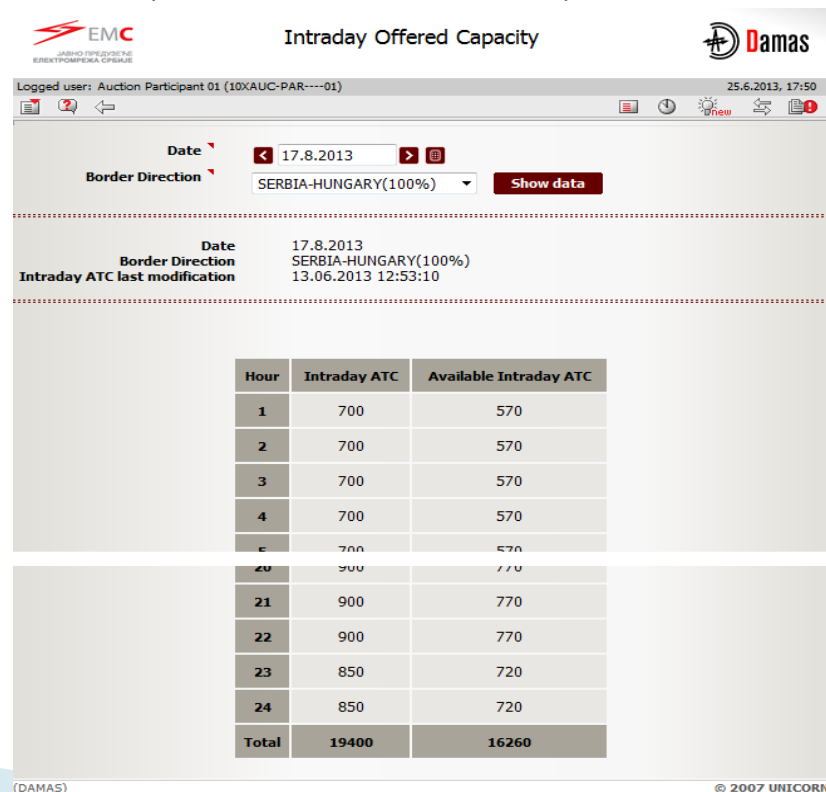
Refresh Interval [sec]

	SERBIA_MONTENEG						SERBIA_HUNGARY						
	SERBIA-MONTENEGRO (100%)			MONTENEGRO-SERBIA (100%)			SERBIA-HUNGARY (100%)			HUNGARY-SERBIA (100%)			
	State	Bidding		State	Bidding		State	Bidding		State	Bidding		
	ATC last modif	13.06.2013 12:55:07		ATC last modif	N/A		ATC last modif	13.06.2013 12:53:10		ATC last modif	N/A		
	Avail ATC [MW]	Total Req [MW]	Total Alloc [MW]	Avail ATC [MW]	Total Req [MW]	Total Alloc [MW]	Avail ATC [MW]	Total Req [MW]	Total Alloc [MW]	Avail ATC [MW]	Total Req [MW]	Total Alloc [MW]	
<b>Total Hour</b>	<b>16120</b>	<b>3810</b>	<b>1420</b>	<b>21600</b>	<b>0</b>	<b>0</b>	<b>Total Hour</b>	<b>16260</b>	<b>3120</b>	<b>3120</b>	<b>20880</b>	<b>0</b>	<b>0</b>
1.	730	810	30	900	0	0	1.	570	130	130	870	0	0
2.	730	100	30	900	0	0	2.	570	130	130	870	0	0
3.	730	100	30	900	0	0	3.	570	130	130	870	0	0
4.	730	100	30	900	0	0	4.	570	130	130	870	0	0
5.	730	100	30	900	0	0	5.	570	130	130	870	0	0
6.	730	100	30	900	0	0	6.	570	130	130	870	0	0
7.	730	100	30	900	0	0	7.	570	130	130	870	0	0
8.	730	100	30	900	0	0	8.	570	130	130	870	0	0
9.	730	100	30	900	0	0	9.	570	130	130	870	0	0
10.	530	200	130	900	0	0	10.	770	130	130	870	0	0
11.	530	200	130	900	0	0	11.	770	130	130	870	0	0
12.	530	200	130	900	0	0	12.	770	130	130	870	0	0
13.	530	200	130	900	0	0	13.	720	130	130	870	0	0
14.	530	200	130	900	0	0	14.	720	130	130	870	0	0
<b>Total</b>	<b>16120</b>	<b>3810</b>	<b>1420</b>	<b>21600</b>	<b>0</b>	<b>0</b>	<b>Total</b>	<b>16260</b>	<b>3120</b>	<b>3120</b>	<b>20880</b>	<b>0</b>	<b>0</b>

# INTRAYDAY OFFERED CAPACITY

*Intraday Offered Capacity* web form is used to display the hourly intraday ATC (published ATC) and available intraday ATC values for a given border direction and business day.

**Selection Parameters:** Date, Border Direction, Show data.



EMC  
JAVNO PREUZETJE  
ELEKTROMREŽA SRBIJE

Intraday Offered Capacity

Damas

Logged user: Auction Participant 01 (10XAUC-PAR----01) 25.6.2013, 17:50

Date: 17.8.2013

Border Direction: SERBIA-HUNGARY(100%) [Show data](#)

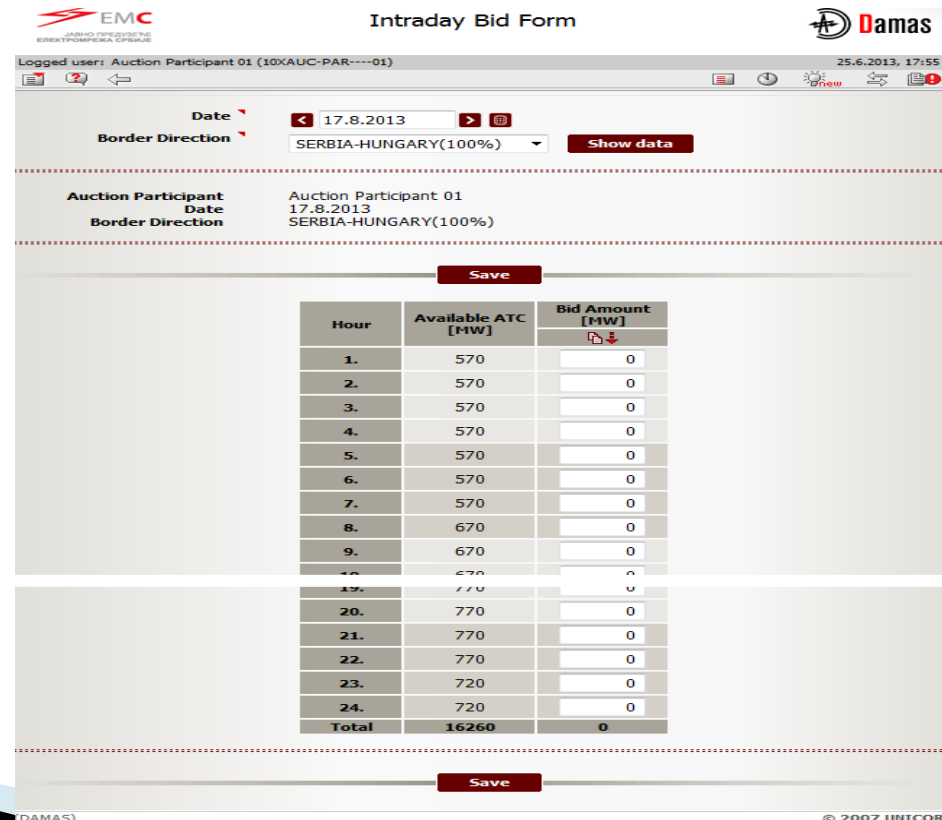
Date: 17.8.2013  
Border Direction: SERBIA-HUNGARY(100%)  
Intraday ATC last modification: 13.06.2013 12:53:10

Hour	Intraday ATC	Available Intraday ATC
1	700	570
2	700	570
3	700	570
4	700	570
5	700	570
6	700	570
7	700	570
8	700	570
9	700	570
10	700	570
11	700	570
12	700	570
13	700	570
14	700	570
15	700	570
16	700	570
17	700	570
18	700	570
19	700	570
20	700	570
21	900	770
22	900	770
23	850	720
24	850	720
<b>Total</b>	<b>19400</b>	<b>16260</b>

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# INTRADAY BID FORM

The *Intraday Bid Form* is used for bids submitting for a continuous intraday auction for a given border direction and business day.  
**Selection Parameters:** Date, Border Direction, Show data.



The screenshot shows the 'Intraday Bid Form' interface. At the top, it displays the EMC logo, the title 'Intraday Bid Form', and the Damas logo. The user is logged in as 'Auction Participant 01 (10XAUC-PAR----01)' on '25.6.2013, 17:55'. The form includes input fields for 'Date' (17.8.2013) and 'Border Direction' (SERBIA-HUNGARY(100%)), with a 'Show data' button. Below this, a summary section shows 'Auction Participant: Auction Participant 01', 'Date: 17.8.2013', and 'Border Direction: SERBIA-HUNGARY(100%)'. A 'Save' button is present above a table of bid data.

Hour	Available ATC [MW]	Bid Amount [MW]
1.	570	0
2.	570	0
3.	570	0
4.	570	0
5.	570	0
6.	570	0
7.	570	0
8.	670	0
9.	670	0
10.	670	0
11.	670	0
12.	770	0
13.	770	0
14.	770	0
15.	770	0
16.	770	0
17.	770	0
18.	770	0
19.	770	0
20.	770	0
21.	770	0
22.	770	0
23.	720	0
24.	720	0
<b>Total</b>	<b>16260</b>	<b>0</b>

At the bottom of the table, there is another 'Save' button. The footer contains '(DAMAS)' on the left and '© 2007 UNICORN' on the right.



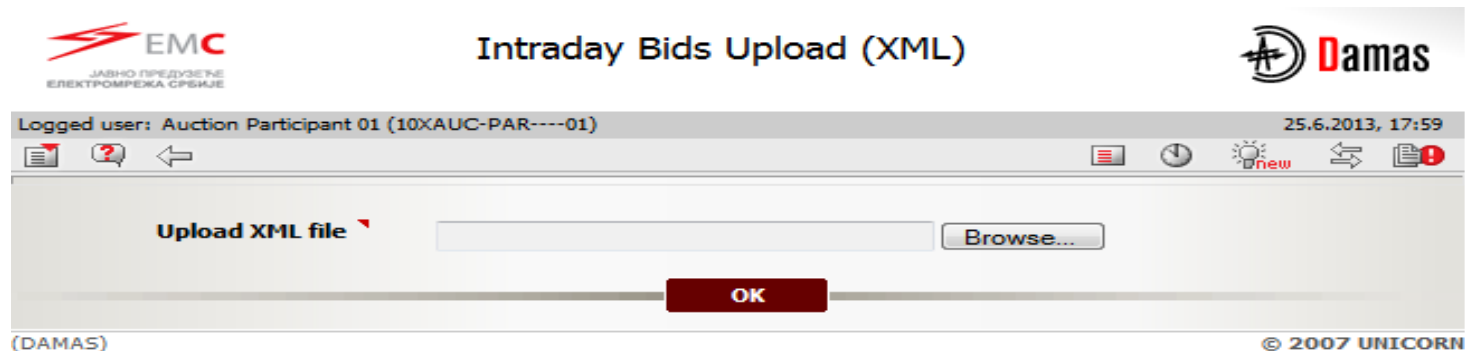
# INTRADAY BIDS UPLOAD (XML)

The *Intraday Bids Upload (XML)* web form is used for uploading bids for a continuous intraday auction for a given border direction and business day.

The bid values are uploaded in the ECAN Capacity Document V4R0 format. The XML cannot contain bid values for more than one auction or border direction. The Bid Document contains bids of one Capacity Trader for one border direction and a business day.

All 24 hours of the business day are always included. Hours with already passed gate closure contain zero.

**Selection Parameters:** Upload XML file, Browse, OK.



EMC  
ЈАВНО ПРЕДУЗЕЋЕ  
ЕЛЕКТРОМРЕЖА СРБИЈЕ

Intraday Bids Upload (XML)

Damas

Logged user: Auction Participant 01 (10XAUC-PAR-----01) 25.6.2013, 17:59

Upload XML file  Browse...

OK

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# INTRADAY BIDS OVERVIEW

The *Intraday Bids Overview* web form provides an overview of bids submitted by the Balance Responsible Party for a given day and border direction. It contains accepted bids as well as bids rejected because they exceeded the available intraday ATC in at least one hour and can also include TRM. The Balance Responsible Party can only display his own bids.

The form consists of following sections:

- ▶ **Parameters Selection:** Date, Border, TRM capacity, Show data.
- ▶ **Form body** which consists of two parts, each with a table. The first is an Balance Responsible Party overview and the second is the auction bids overview.

# INTRADAY BIDS OVERVIEW

## Web Form Body Content



The auction participants overview table lists the auction participant's bids for the given continuous intraday auction and border directions. It contains the following columns: Auction Participant, Auction Participant EIC, Border Direction, Bid Count.

After clicking on one of the rows in the Balance Responsible Party overview table, the auction bids overview table is displayed for the row selected.

The auction bids overview table lists the following information about the bid(s): Bid Number, Bid Status, Auction ID, CR File, CAI.

The auction bids overview table is split into the following columns: Hour, Total Allocated, ATC [MW], Bid Amount [MW].

# INTRADAY BIDS OVERVIEW


Intraday Bids Overview


Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.11.2013, 13:06

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**Date** < 9.11.2013 >

**Border** All

**TRM capacity**

**Show data**

**Date** 9.11.2013

**Border** All

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Auction Participant	Auction Participant EIC	Border Direction	Bid Count
Auction Participant 01	10XAUC-PAR----01	HUNGARY-SERBIA(100%)	1
Auction Participant 01	10XAUC-PAR----01	MONTENEGRO-SERBIA (100%)	1

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<b>Bid Number</b>	10373904		
<b>Bid Status</b>	✔		
<b>Auction ID</b>	MERS-I-09112013-01166		
<b>CR File</b>	ACS_A07MERS_20131109_144510_no.int		
<b>CAI</b>	A07MERS20131109_10XAUC-PAR----01_1_no.int		
<b>Hour</b>	<b>Total Allocated</b>	<b>ATC [MW]</b>	<b>Bid Amount [MW]</b>
1	20	493	20
2	20	500	20
3	20	500	20
4	20	500	20
5	0	500	0
20	0	500	0
21	0	500	0
22	0	500	0
23	0	500	0
24	0	500	0
<b>Total</b>	<b>80</b>	<b>11993</b>	<b>80</b>

# ALLOCATED CAPACITY

The *Allocated Capacity* web form has been updated in order to reflect implementation of continuous intraday auctions.

The Allocated Capacity web form provides an overview of intraday capacity allocated and requested by the Balance Responsible Party for a given business day and border direction. It contains capacity from the continuous auction and can also include TRM. The Balance Responsible Party is only allowed to display his own allocated capacity.

The form consists of following sections:

- ▶ **Selection Parameters:** Date, Border, Type, TRM capacity, Show data.
- ▶ **Auction participants overview :** which contains rows for different border directions where capacity has been allocated for the auction participant on the given day.
- ▶ **Capacity Detail :** section which contains a table with hourly summaries of allocated capacity.

# ALLOCATED CAPACITY

## Web Form Body Content:

The **Auction participants overview** lists rows for different border directions where capacity has been allocated for the auction participant on the given day. It contains the following columns:

- ▶ **Auction Participant** – name of the auction participant with allocated capacity for the selected day and border.
- ▶ **Border Direction** – border direction where the capacity was allocated.
- ▶ **Type** – the type of capacity allocated.

## Capacity Detail



- ▶ After clicking on one of the rows in the auction participants overview table, the capacity detail overview table is displayed for the row selected.

# ALLOCATED CAPACITY

The capacity detail table lists the following for each time series capacity allocation:

- ▶ **Capacity Source** – indicates where the capacity was allocated from.
  - “Auction” – Capacity allocated in an auction held by Damas.
  - “TRM” – Capacity allocated through allocation of TRM.
  - “TSO” – Capacity allocated through allocation of neighboring TSO.
- ▶ **Auction Product** – Indication whether the bid was accepted or rejected.
- ▶ **Auction ID** – identification of the auction in which the capacity was allocated.
- ▶ **CAI** – Capacity Agreement Identification.
- ▶ **CR File** – Identifies a name of the capacity rights file.
- ▶ *(Detail)* – this row contains the icon for displaying a read-only detail.

# ALLOCATED CAPACITY


Allocated Capacity


Logged user: Auction Participant 01 (10XAUC-PAR----01) 11.11.2013, 12:43

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**Date** ▼

**Border** ▼

**Type** ▼

**TRM capacity** ▼

**Show data**

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**Date** 9.11.2013

**Border** All

**Type** Intraday

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Auction Participant	Border Direction	Type
Auction Participant 01	HUNGARY-SERBIA(100%)	Intraday
Auction Participant 01	MONTENEGRO-SERBIA (100%)	Intraday

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**Capacity Detail**

**Date** 9.11.2013

**Auction Participant** Auction Participant 01 (10XAUC-PAR----01)

**Border Direction** MONTENEGRO-SERBIA (100%)

**Type** Intraday

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Capacity Detail			
Hour	Total Allocated [MW]	Total Requested [MW]	Intraday(10373904)
<b>Capacity Source</b>			<b>Auction</b>
<b>Auction Product</b>			<b>CONTINUOUS INTRADAY</b>
<b>Auction ID</b>			MERS-I-09112013-01166
<b>CAI</b>			A07MERS20131109_10XAUC-PAR----01_1_no.int
<b>CR File</b>			ACS_A07MERS_20131109_144510_no.int
1.	20	20	20
2.	20	20	20
3.	20	20	20
4.	20	20	20
5.	0	0	0
6.	0	0	0
7.	0	0	0
8.	0	0	0
9.	0	0	0
10.	0	0	0
11.	0	0	0
12.	0	0	0
13.	0	0	0
14.	0	0	0
15.	0	0	0
16.	0	0	0
17.	0	0	0
18.	0	0	0
19.	0	0	0
20.	0	0	0
21.	0	0	0
22.	0	0	0
23.	0	0	0
24.	0	0	0



THANK YOU FOR YOUR  
ATTENTION!