



JAVNO PREDUZETJE
ELEKTROMREŽA SRBIJE

Tržište električne energije u 2014. godini

Direkcija za tržište
električnom energijom



Agenda

➤ Uvod

- Trenutno stanje na tržištu električne energije u Srbiji
- Pravo na javno snabdevanje u 2014. godini
- Alokacija kapaciteta u 2014. godini

➤ Postupak promene snabdevača – postupak promene sastava BG

➤ Transfer kapaciteta kroz DAMAS sistem

➤ Objava podataka

- Transparency platforma

Trenutno stanje na tržištu električne energije u Srbiji



- TSO
- Organizovanje i administracija tržišta električne energije



- Regulatorno telo



- Proizvodjač
- Snabdevač el.en. (trgovac)
- Rezervni snabdevač



- Javni snabdevač
- Snabdevač el.en. (trgovac)



- ODS



- Povlašćeni proizvođači el.en. (Feed-in tarifa)



- Snabdevači el.en. (trgovac)

Krajnji kupci



- Domaćinstva



- Mali kupci



- Ostali kupci

➤ U 2013. godini:

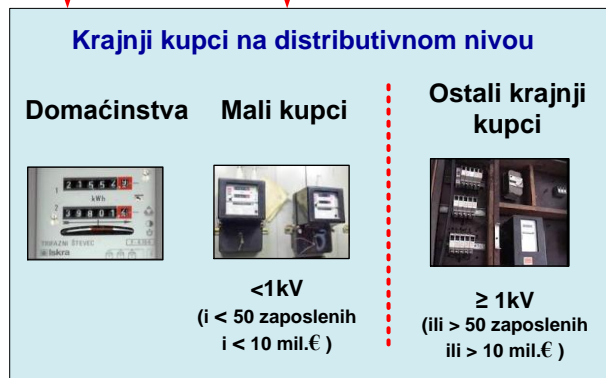
- 9% potrošnje na prenosnom nivou je izašlo na tržište.
- Do 05.12.2013 registrovano je 37 BOS:
 - 1 PRP, CRP, TRP
 - 1 CRP, TRP
 - 35 TRP

Pravo na javno snabdevanje u 2014. godini

EPS Snabdevanje –
javno snabdevanje



do ...



do
2015.



Rezervni snabdevač

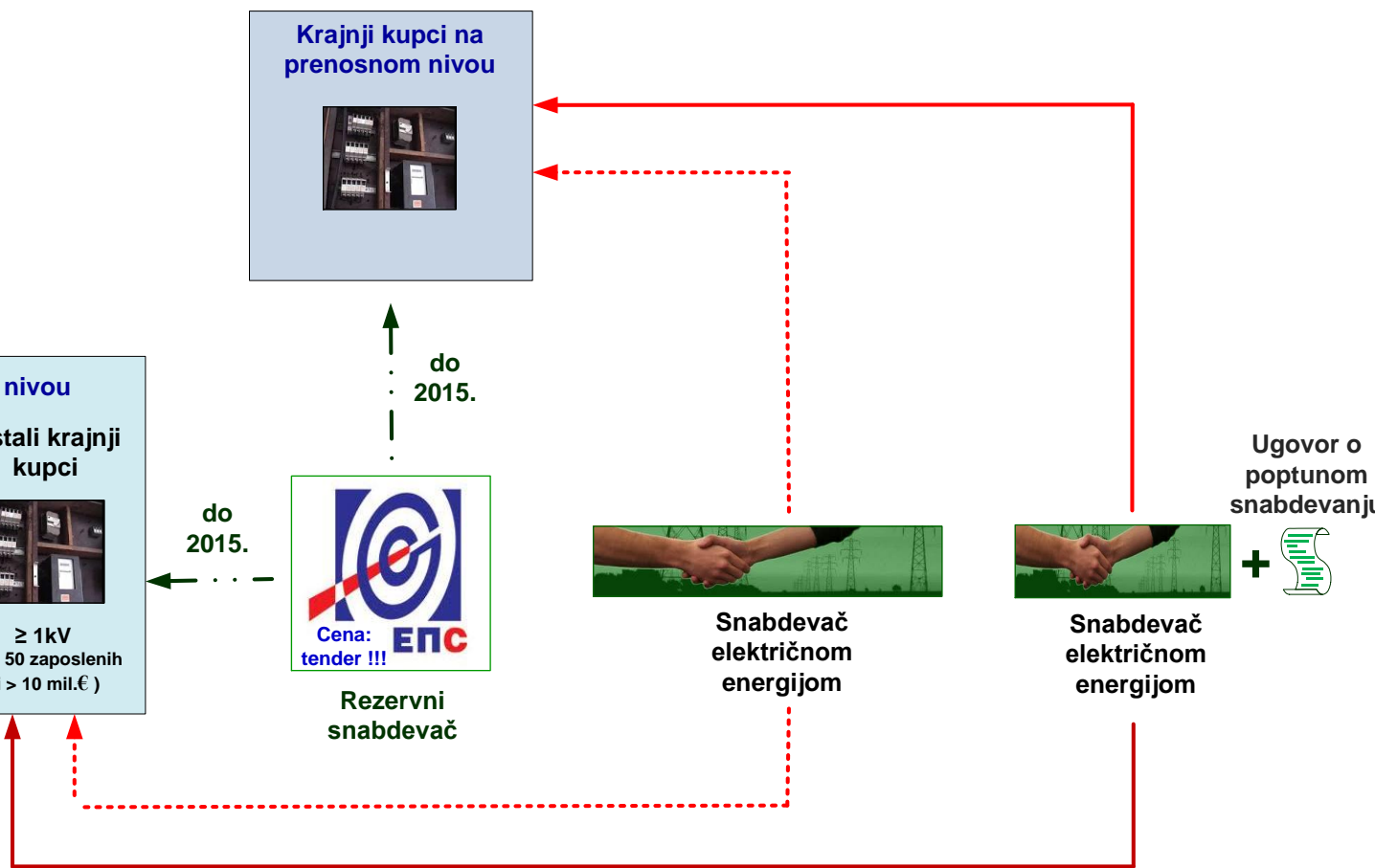


Snabdevač električnom energijom



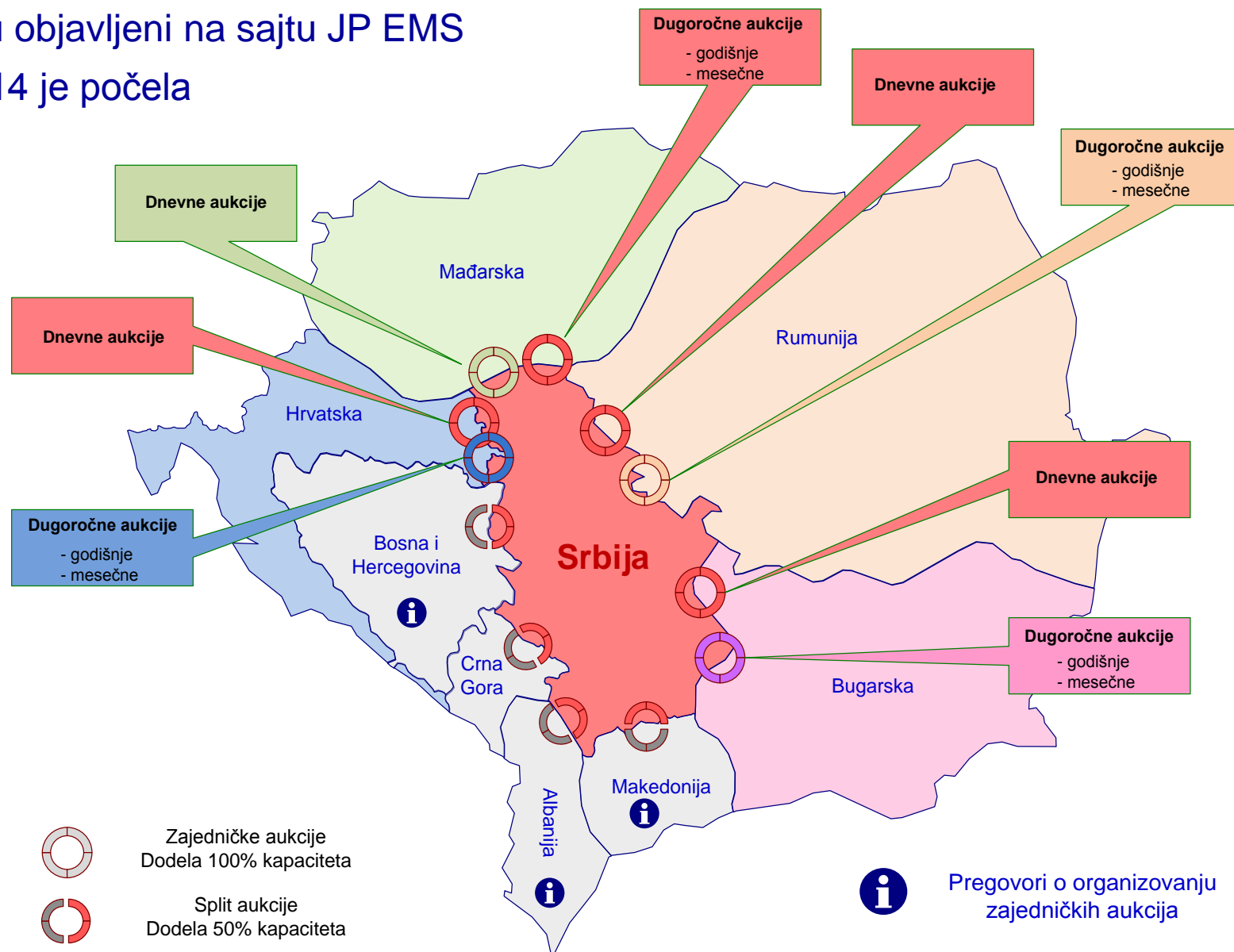
Snabdevač električnom energijom

**Ugovor o
poptunom
snabdevanju**

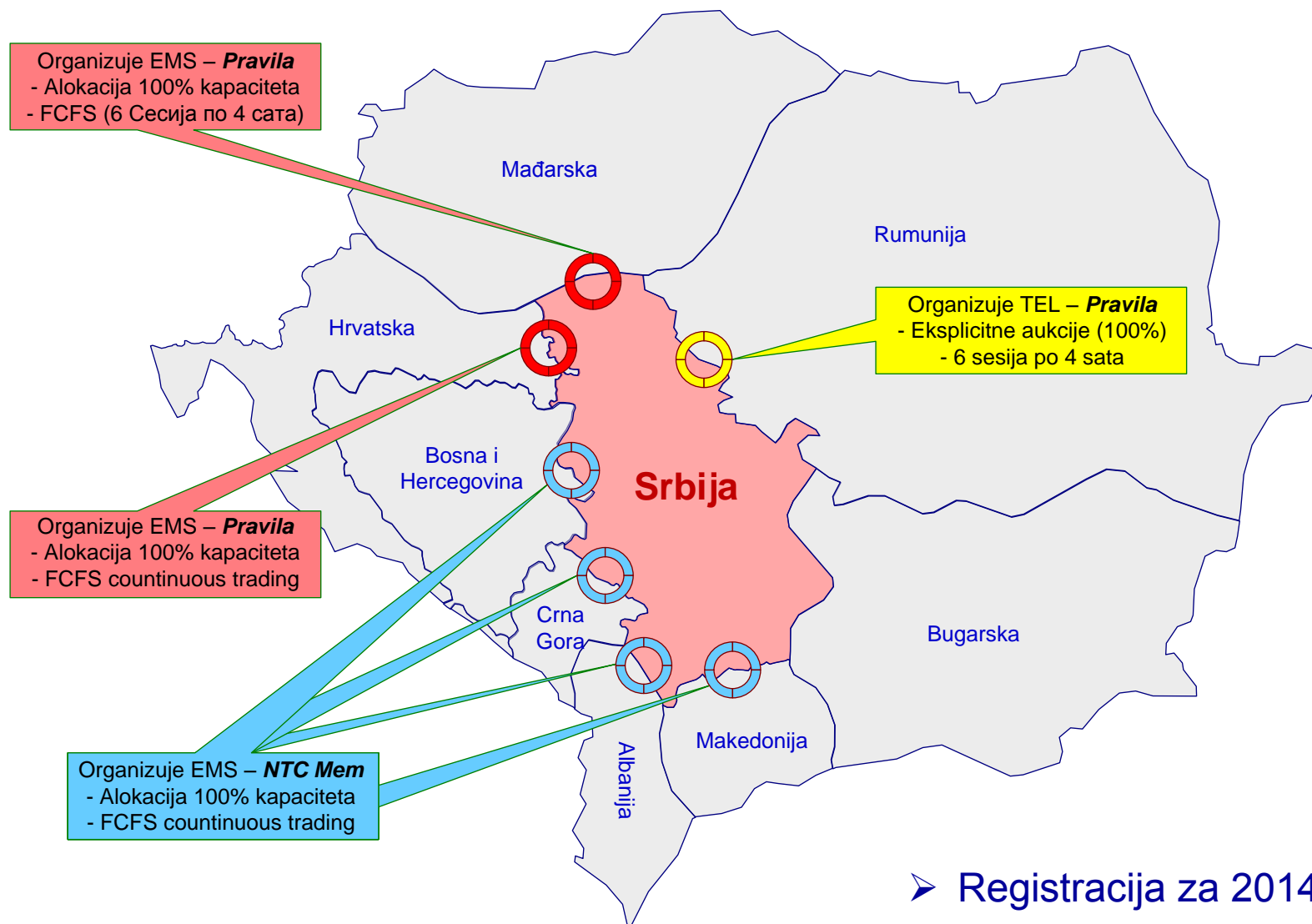


Dodela prekograničnih prenosnih kapaciteta - 2014

- Pravila i obrasci su objavljeni na sajtu JP EMS
- Registracija za 2014 je počela



Unutardnevna dodela prekograničnih prenosnih kapaciteta- 2014



➤ Registracija za 2014 je počela

Očekivanja na tržištu električne energije u Srbiji u 2014

- Otvaranje tržišta električne energije od 01.01.2014
- Izrada novog Zakona o energetici (prvi kvartal 2014)
- Izmena Pravila o radu prenosnog sistema (prvi kvartal 2014)
- Izmena Pravila o radu tržišta električne energije (prvi kvartal 2014)
- Uspostavljanje berze električne energije SEEPEX (kraj 2014)

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➤ **Postupak promene snabdevača – postupak promene sastava BG**

➤ Transfer kapaciteta kroz DAMAS sistem

➤ Objava podataka

- Transparency platforma

Promena sastava balansne grupe

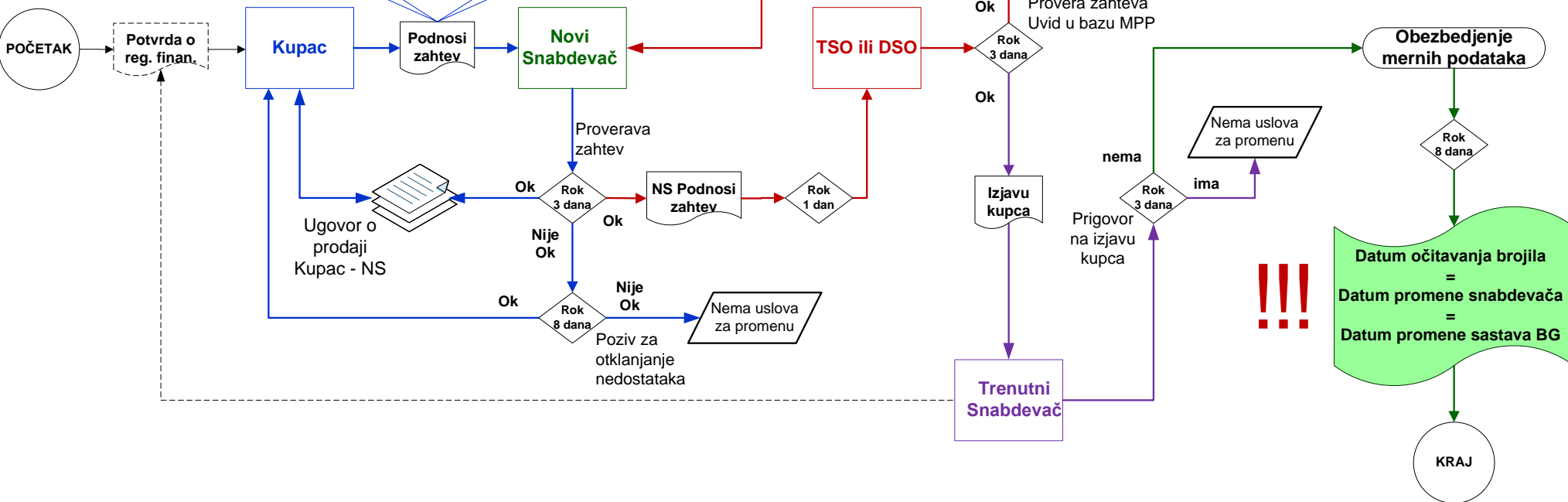
- Promena sastava balansne grupe je moguća samo uz striktno poštovanje **Pravila o radu tržišta električne energije** i **Pravila o promeni snabdevača**.
- Promena sastava BG na osnovu **Ugovora o potpunom snabdevanju**:
 - Mesto primopredaje na prenosnoj mreži → na osnovu Pravila o promeni snabdevača → novi snabdevač dostavlja zahtev JP EMS → JP EMS sprovodi postupak promene snabdevača, odnosno sastava BG
 - Mesto primopredaje na distributivnoj mreži → na osnovu Pravila o promeni snabdevača → novi snabdevač dostavlja zahtev nadležnom operatoru distributivnog sistema → operator nadležnog distributivnog sistema sprovodi postupak promene snabdevača, odnosno sastava BG
- Promena sastava BG na osnovu **Ugovora o prenosu balansne odgovornosti** → na osnovu Pravila o radu tržišta → BOS dostavlja zahtev JP EMS → JP EMS sprovodi postupak promene sastava BG
- Promena sastava BG na osnovu **priključenja novog mesta primopredaje**:
 - Mesto primopredaje na prenosnoj mreži → JP EMS sprovodi promenu sastava BG u skladu sa postupkom priključenja.
 - Mesto primopredaje na distributivnoj mreži → Operator nadležnog distributivnog sistema sprovodi proces promene sastava BG u skladu sa postupkom priključenja

Promena snabdevača – promena sastava BG

- Postupak promene snabdevača za 1 MPP se istovremeno može voditi samo sa jednim snabdevačem
- Postupak promene snabdevača ne može trajati duže od 21 dan
- Postupak promene snabdevača mora početi najkasnije 21 dan pre isteka trenutnog ugovora o snabdevanju

- 1 Podaci o kompaniji
 - 2 ID MPP
 - 3 Odobrena snaga
 - 4 Datum
 - 5 Ime trenutnog snabdevača i rok važenja ugovora

- 6 pismena potvrda trenutnog snabdev. o regulisanim finansij. obavezama (ne starija od 7 dana)
 - 7 dokaz o raskidu ugovora
 - 8 pismenu izjavu o danu prestanka važećeg ugovora



Ugovorni (finansijski) odnosi učesnika na tržištu

Krajnji kupac (KK)	BOS – Balansna energija	Pristup sistemu – Ko plaća	Električna energija– Ko plaća
Ugovor o poptunom snabdevanju (PS)	<ul style="list-style-type: none"> ➤ Potpuni snabdevač je BOS: (KK plaća balansiranje BOS; BOS plaća balansiranje EMS) 	Plaća BOS	Krajnji kupac po ugovoru o PS
1 ugovor o PS + 1 ili više ugovora o snabdevanju	<ul style="list-style-type: none"> ➤ Potpuni snabdevač je BOS: (KK plaća balansiranje BOS; BOS plaća balansiranje EMS) 	Plaća BOS	<ul style="list-style-type: none"> ➤ Krajnji kupac po ugovoru o PS ➤ Krajnji kupac ostalim snabdevačima
1 ili više ugovora o snabdevanju (ne postoji ugovor o PS)	<ul style="list-style-type: none"> ➤ Krajnji kupac je BOS (KK plaća balansiranje EMS) ➤ Krajnji kupac je preneo balansnu odgovornost na BOS (KK plaća balansiranje BOS; BOS plaća balansiranje EMS) 	Plaća krajnji kupac	Krajnji kupac snabdevačima na osnovu ugovora o prodaji el.en.

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➤ Postupak promene snabdevača – postupak promene sastava BG

➤ **Transfer kapaciteta kroz DAMAS sistem**

➤ Objava podataka

- Transparency platforma
- Zvanični sajt JP EMS

Transfer kapaciteta u 2014 godini

➤ Uslovi:

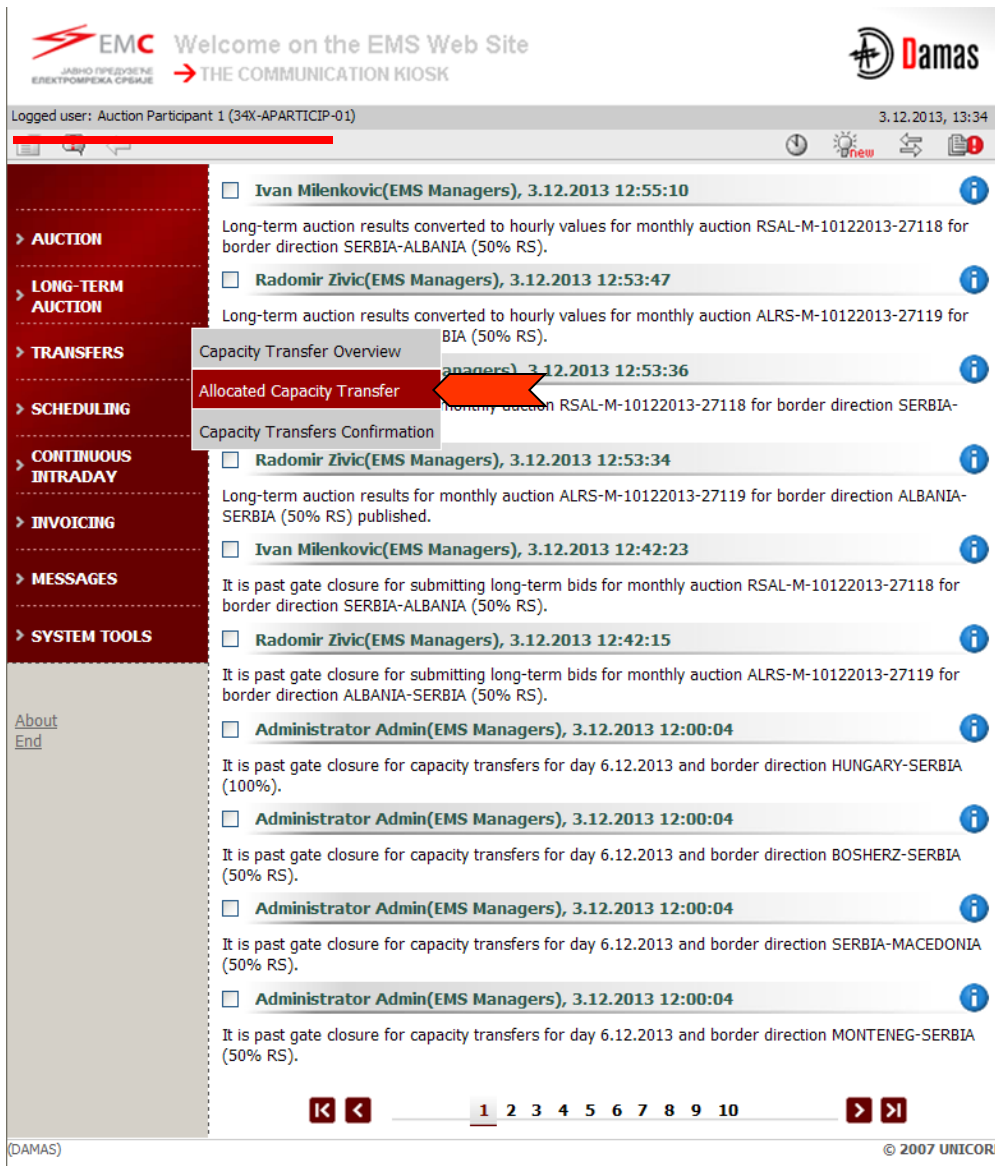
- Samo plaćen kapacitet je moguće transferisati,
- Transferiše se godišnji i mesečni kapacitet
- Transfer kapaciteta je moguć na dnevnom nivou (max period – kalendarski mesec)
- Produkt transfera – band kapacitet
- **Kapacitete za mesec M je moguće transferisati najranije od 12:00h šest (6 dana) pre početka meseca M**
- **Za dan D transfer je moguće izvršiti najkasnije do 12:00h u danu D-3**

➤ **Transfer kapaciteta u 2014. godini će se obavljati direktno u DAMAS sistemu**

➤ Proces:

- Nosilac kapaciteta direktno u DAMAS sistemu vrši transfer na drugog učesnika
 - Učesnik kome se transferiše kapacitet je u obavezi da potvrdi transfer kapaciteta najkasnije 4 sata nakon transfera kapaciteta. Nakon isteka ovog roka transfer će biti automatski otkazan.
- Ukoliko transfer kapaciteta nije odradjen u skladu sa Pravilima, JP EMS ima pravo da nakon konfirmacije od strane učesnika kome se transferiše kapacitet, suspenduje izvršeni transfer.

Procedura unosna transfera kapaciteta



Welcome on the EMS Web Site
→ THE COMMUNICATION KIOSK

Logged user: Auction Participant 1 (34X-APARTICIP-01) 3.12.2013, 13:34

- AUCTION**
- LONG-TERM AUCTION**
- TRANSFERS**
- SCHEDULING**
- CONTINUOUS INTRADAY**
- INVOICING**
- MESSAGES**
- SYSTEM TOOLS**

Capacity Transfer Overview

Allocated Capacity Transfer

Capacity Transfers Confirmation

It is past gate closure for submitting long-term bids for monthly auction RSAL-M-10122013-27118 for border direction SERBIA-ALBANIA (50% RS).

It is past gate closure for submitting long-term bids for monthly auction ALRS-M-10122013-27119 for border direction ALBANIA-SERBIA (50% RS).

It is past gate closure for submitting long-term bids for monthly auction RSAL-M-10122013-27118 for border direction SERBIA-ALBANIA (50% RS).

It is past gate closure for submitting long-term bids for monthly auction ALRS-M-10122013-27119 for border direction ALBANIA-SERBIA (50% RS).

It is past gate closure for submitting long-term bids for monthly auction ALRS-M-10122013-27119 for border direction ALBANIA-SERBIA (50% RS).

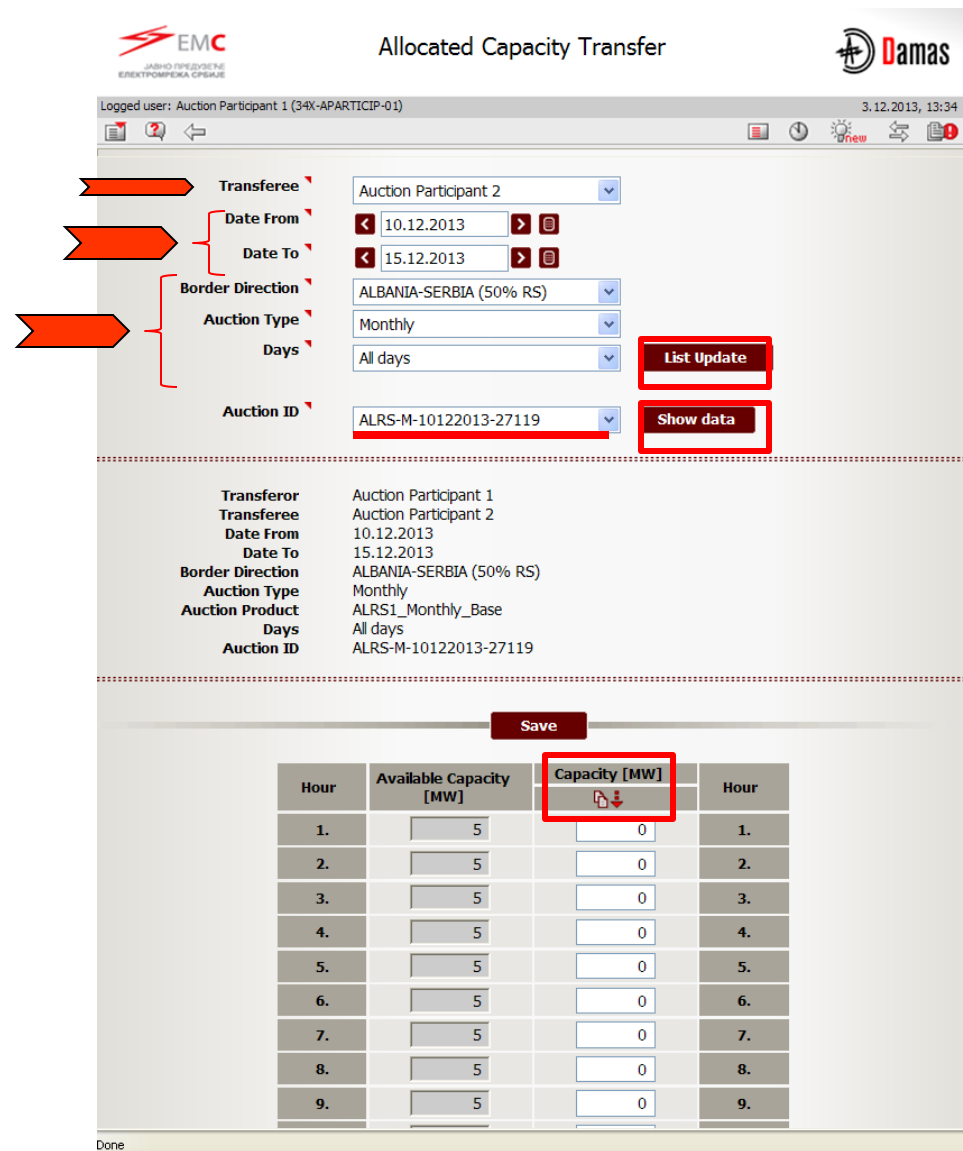
It is past gate closure for capacity transfers for day 6.12.2013 and border direction HUNGARY-SERBIA (100%).

It is past gate closure for capacity transfers for day 6.12.2013 and border direction BOSHERZ-SERBIA (50% RS).

It is past gate closure for capacity transfers for day 6.12.2013 and border direction SERBIA-MACEDONIA (50% RS).

It is past gate closure for capacity transfers for day 6.12.2013 and border direction MONTENEG-SERBIA (50% RS).

1 2 3 4 5 6 7 8 9 10



Allocated Capacity Transfer

Logged user: Auction Participant 1 (34X-APARTICIP-01) 3.12.2013, 13:34

Transferee: Auction Participant 2

Date From: 10.12.2013

Date To: 15.12.2013

Border Direction: ALBANIA-SERBIA (50% RS)

Auction Type: Monthly

Days: All days

Auction ID: ALRS-M-10122013-27119

List Update

Show data

Transferor: Auction Participant 1

Transferee: Auction Participant 2

Date From: 10.12.2013

Date To: 15.12.2013

Border Direction: ALBANIA-SERBIA (50% RS)

Auction Type: Monthly

Auction Product: ALRS1_Monthly_Base

Days: All days

Auction ID: ALRS-M-10122013-27119

Save

Hour	Available Capacity [MW]	Capacity [MW]	Hour
1.	5	0	1.
2.	5	0	2.
3.	5	0	3.
4.	5	0	4.
5.	5	0	5.
6.	5	0	6.
7.	5	0	7.
8.	5	0	8.
9.	5	0	9.

Procedura unosa transfera kapaciteta

Auction ID: ALRS-MF10122013-27119

Save

Hour	Available Capacity [MW]	Capacity [MW]	Hour
1.	5	5	1.
2.	5	5	2.
3.	5	5	3.
4.	5	5	4.
5.	5	5	5.
6.	5	5	6.
7.	5	5	7.
8.	5	5	8.
9.	5	5	9.
10.	5	5	10.
11.	5	5	11.
12.	5	5	12.
13.	5	5	13.
14.	5	5	14.
15.	5	5	15.
16.	5	5	16.
17.	5	5	17.
18.	5	5	18.
19.	5	5	19.
20.	5	5	20.
21.	5	5	21.
22.	5	5	22.
23.	5	5	23.
24.	5	5	24.
Total	120	120	

Minimum available capacity for each hour within the period selected.

Save

(DAMAS) © 2007 UNICORN

Processing result - Windows Internet Explorer

Information

Reception Date:	03.12.2013 13:35:26
User:	AP1_test
State:	Accepted
Transfer ID:	10031920
Auction Identification:	ALRS-M-10122013-27119
Auction Type:	Monthly
Date From:	10.12.2013
Date To:	15.12.2013
Border direction:	ALBANIA-SERBIA (50% RS)
Transferor:	Auction Participant 1
Transferee:	Auction Participant 2
Date:	10.12.2013
State:	Accepted
Date:	11.12.2013
State:	Accepted
Date:	12.12.2013
State:	Accepted
Date:	13.12.2013
State:	Accepted
Date:	14.12.2013
State:	Accepted
Date:	15.12.2013
State:	Accepted

OK

Transfer is accepted

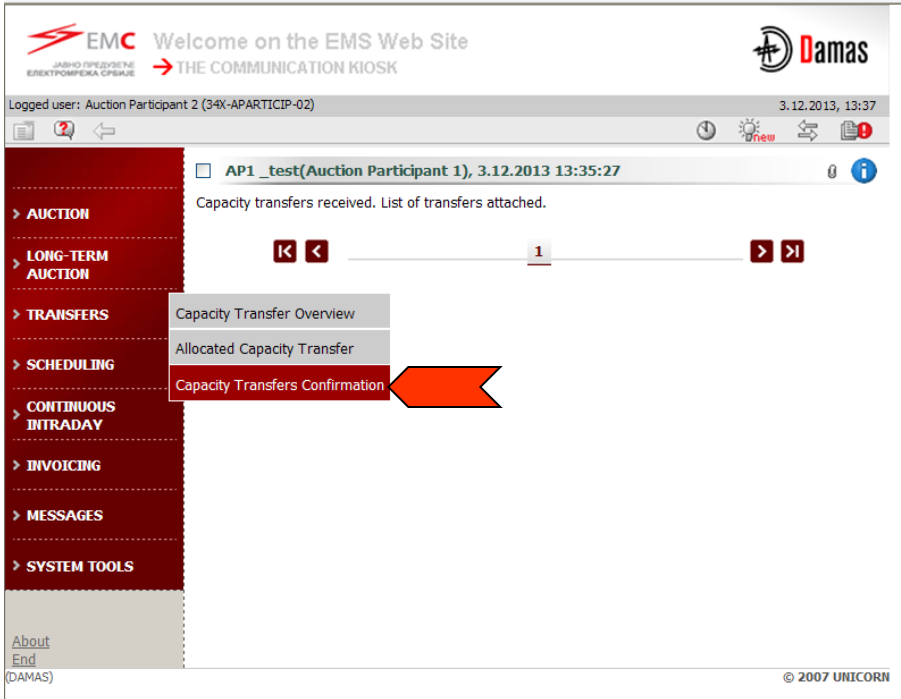
Error - Windows Internet Explorer

Error

Cannot transfer allocated capacity for selected date interval and auction's border direction.

OK

Procedura konfirmacije transfera kapaciteta



Welcome on the EMS Web Site
→ THE COMMUNICATION KIOSK

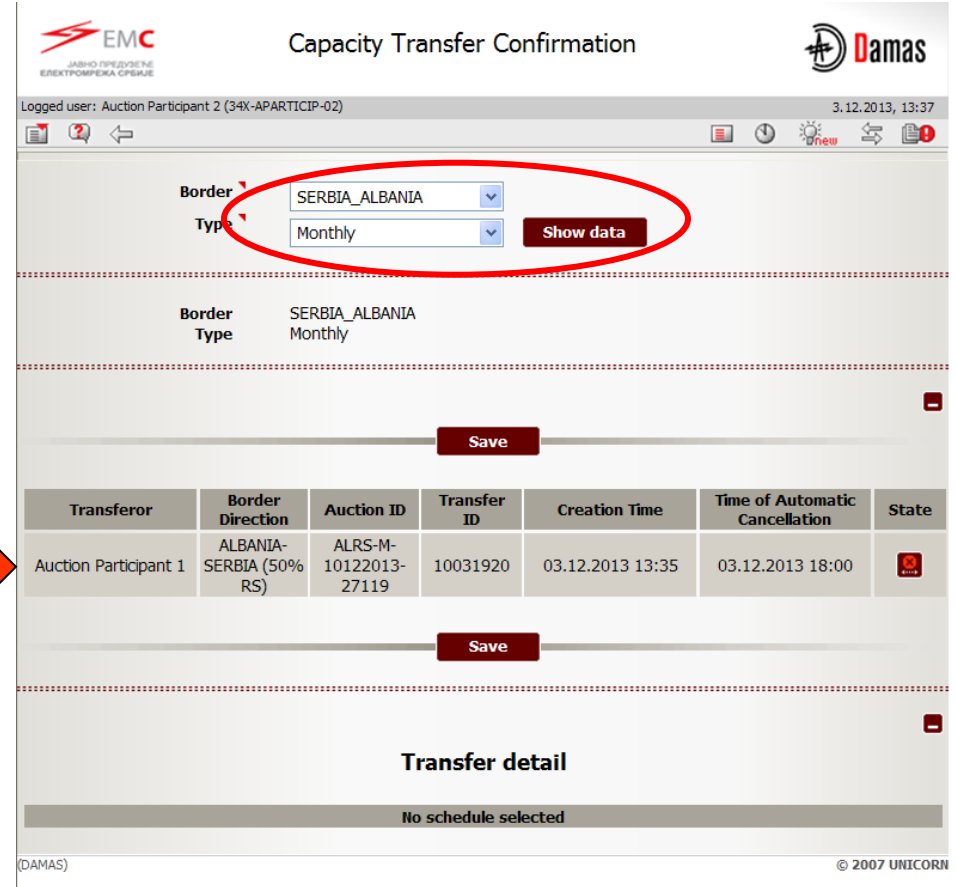
Logged user: Auction Participant 2 (34X-APARTICIP-02) 3.12.2013, 13:37

AP1_test(Auction Participant 1), 3.12.2013 13:35:27

Capacity transfers received. List of transfers attached.

- Capacity Transfer Overview
- Allocated Capacity Transfer
- Capacity Transfers Confirmation**

© 2007 UNICORN




Capacity Transfer Confirmation

Logged user: Auction Participant 2 (34X-APARTICIP-02) 3.12.2013, 13:37

Border: SERBIA_ALBANIA
Type: Monthly **Show data**

Border Type: SERBIA_ALBANIA
Type: Monthly

Save

Transferor	Border Direction	Auction ID	Transfer ID	Creation Time	Time of Automatic Cancellation	State
Auction Participant 1	ALBANIA-SERBIA (50% RS)	ALRS-M-10122013-27119	10031920	03.12.2013 13:35	03.12.2013 18:00	

Save


Transfer detail

No schedule selected

© 2007 UNICORN

Procedura konfirmacije transfera kapaciteta

Save

Transferor	Border Direction	Auction ID	Transfer ID	Creation Time	Time of Automatic Cancellation	State
Auction Participant 1	ALBANIA-SERBIA (50% RS)	ALRS-M-10122013-27119	10031920	03.12.2013 13:35	03.12.2013 18:00	

Save

Transfer detail

Date From: 10.12.2013
Date To: 15.12.2013
Beneficiary: Auction Participant 2
Transferor: Auction Participant 1
Border Direction: ALBANIA-SERBIA (50% RS)
Auction ID: ALRS-M-10122013-27119
Transfer ID: 10031920

Hour	Capacity [MW]	Hour
1.	5	1.
2.	5	2.
3.	5	3.
4.	5	4.
5.	5	5.
6.	5	6.
7.	5	7.
8.	5	8.
9.	5	9.
10.	5	10.
11.	5	11.
12.	5	12.
13.	5	13.
14.	5	14.
15.	5	15.
16.	5	16.
17.	5	17.
18.	5	18.
19.	5	19.
20.	5	20.
21.	5	21.

Processing result - Windows Internet Explorer
 https://damas-test.ems.rs/DMSFShowMessage.asp
 Certificate Error


Information

Reception Date:	03.12.2013 13:38:30
User:	Auction Participant 2
State:	Accepted
<hr/>	
Transfer ID	10031920
Auction Identification	ALRS-M-10122013-27119
Auction Type:	Monthly
Date From:	10.12.2013
Date To:	15.12.2013
Border direction:	ALBANIA-SERBIA (50% RS)
Transferor:	Auction Participant 1
Transferee:	Auction Participant 2
State:	Confirmed


OK

Done Internet 120%

Pregled uradjenih transfera



Welcome on the EMS Web Site
→ THE COMMUNICATION KIOSK




Logged user: Auction Participant 1 (34X-APARTICIP-01) 3.12.2013, 13:39

- > AUCTION
- > LONG-TERM AUCTION
- > TRANSFERS
- > SCHEDULING
- > CONTINUOUS INTRADAY
- > INVOICING
- > MESSAGES
- > SYSTEM TOOLS


- Auction Participant 2(Auction Participant 2), 3.12.2013 13:38:31
Capacity transfer confirmation (cancellation) received. List of transfers attached.
- AP1_test(Auction Participant 1), 3.12.2013 13:35:27
Capacity transfers received. List of transfers attached.
- ... (EMS Managers), 3.12.2013 12:55:10
Capacity Transfer Overview
- ... (EMS Managers), 3.12.2013 12:53:47
Allocated Capacity Transfer
- Ivan Milenkovic(EMS Managers), 3.12.2013 12:53:36
Long-term auction results converted to hourly values for monthly auction RSAL-M-10122013-27118 for border direction ALBANIA-SERBIA (50% RS).
- Radomir Zivic(EMS Managers), 3.12.2013 12:53:34
Capacity Transfers Confirmation
- Ivan Milenkovic(EMS Managers), 3.12.2013 12:42:23
Long-term auction results converted to hourly values for monthly auction ALRS-M-10122013-27119 for border direction ALBANIA-SERBIA (50% RS).
- Radomir Zivic(EMS Managers), 3.12.2013 12:42:15
Long-term auction results for monthly auction RSAL-M-10122013-27118 for border direction SERBIA-ALBANIA (50% RS) published.
- Administrator Admin(EMS Managers), 3.12.2013 12:00:04
Long-term auction results for monthly auction ALRS-M-10122013-27119 for border direction ALBANIA-SERBIA (50% RS) published.
- Administrator Admin(EMS Managers), 3.12.2013 12:00:04
It is past gate closure for submitting long-term bids for monthly auction RSAL-M-10122013-27118 for border direction SERBIA-ALBANIA (50% RS).
- Administrator Admin(EMS Managers), 3.12.2013 12:00:04
It is past gate closure for submitting long-term bids for monthly auction ALRS-M-10122013-27119 for border direction ALBANIA-SERBIA (50% RS).
- Administrator Admin(EMS Managers), 3.12.2013 12:00:04
It is past gate closure for capacity transfers for day 6.12.2013 and border direction HUNGARY-SERBIA (100%).
- Administrator Admin(EMS Managers), 3.12.2013 12:00:04
It is past gate closure for capacity transfers for day 6.12.2013 and border direction BOSHERZ-SERBIA (50% RS).

1 2 3 4 5 6 7 8 9 10

(DAMAS) © 2007 UNICORN



Capacity Transfer Overview



Logged user: Auction Participant 1 (34X-APARTICIP-01) 3.12.2013, 13:39

Date From 10.12.2013

Date To 15.12.2013

Border SERBIA_ALBANIA

Type Monthly

State All

Show data

Date From 10.12.2013

Date To 15.12.2013

Border SERBIA_ALBANIA

Type Monthly

State All

Transferor	Transferee	Border Direction	Auction ID	Transfer ID	Creation Time	Confirmation / Cancellation Time	State
Auction Participant 1	Auction Participant 2	ALBANIA-SERBIA (50% RS)	ALRS-M-10122013-27119	10031920	03.12.2013 13:35	03.12.2013 13:38	Confirmed

Transfer Detail

Transfer ID 10031920

Date From 10.12.2013

Date To 15.12.2013

Transferor Auction Participant 1

Transferee Auction Participant 2

Auction ID ALRS-M-10122013-27119

Border Direction ALBANIA-SERBIA (50% RS)

Auction Product Monthly

Hour	Capacity [MW]	Hour
1.	5	1.
2.	5	2.
3.	5	3.
4.	5	4.

Done

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➤ Transfer kapaciteta kroz DAMAS sistem

➤ **Objava podataka**

- **Transparency platforma**
- **Zvanični sajt JP EMS**

Transparentnost – objavljivanje tržišnih podataka



EMFIP платформа
www.entsoe.net

Novi sajt
JP EMS



Platforma ENTSO-E za transparentnost

www.enstoe.net



Home Congestion management Balance area profile Network capacity Publications Faq My account Administration Logout NMD



Congestion Management

Operational
Explicit Auction
Implicit Auction



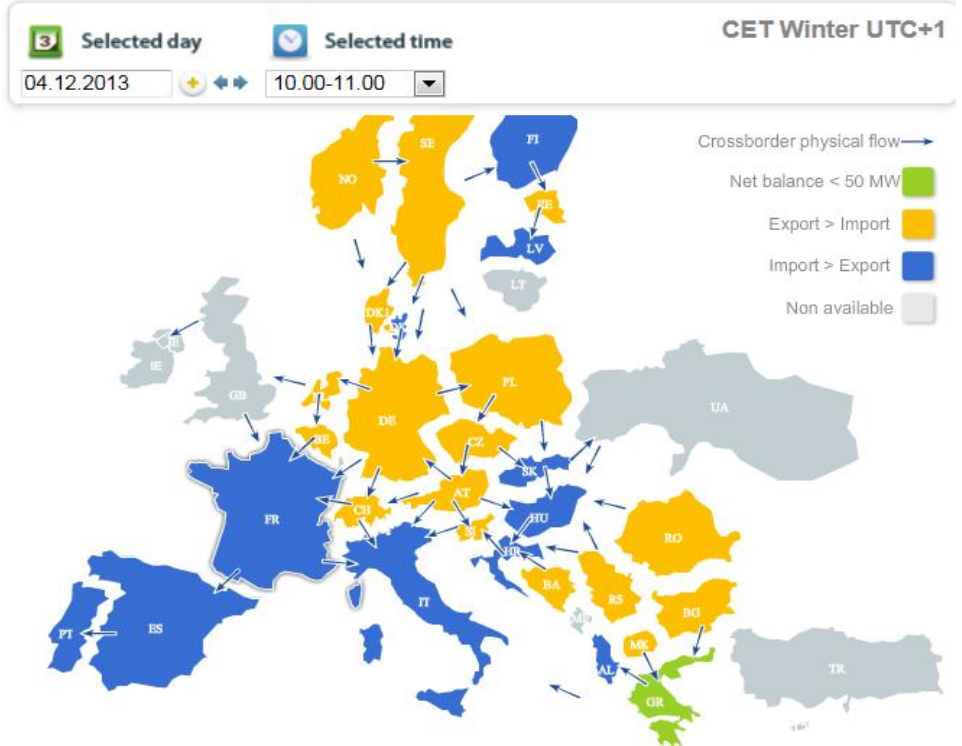
Balance Area Profile

System Vertical load
Total load
Balance Management



Network Capacity

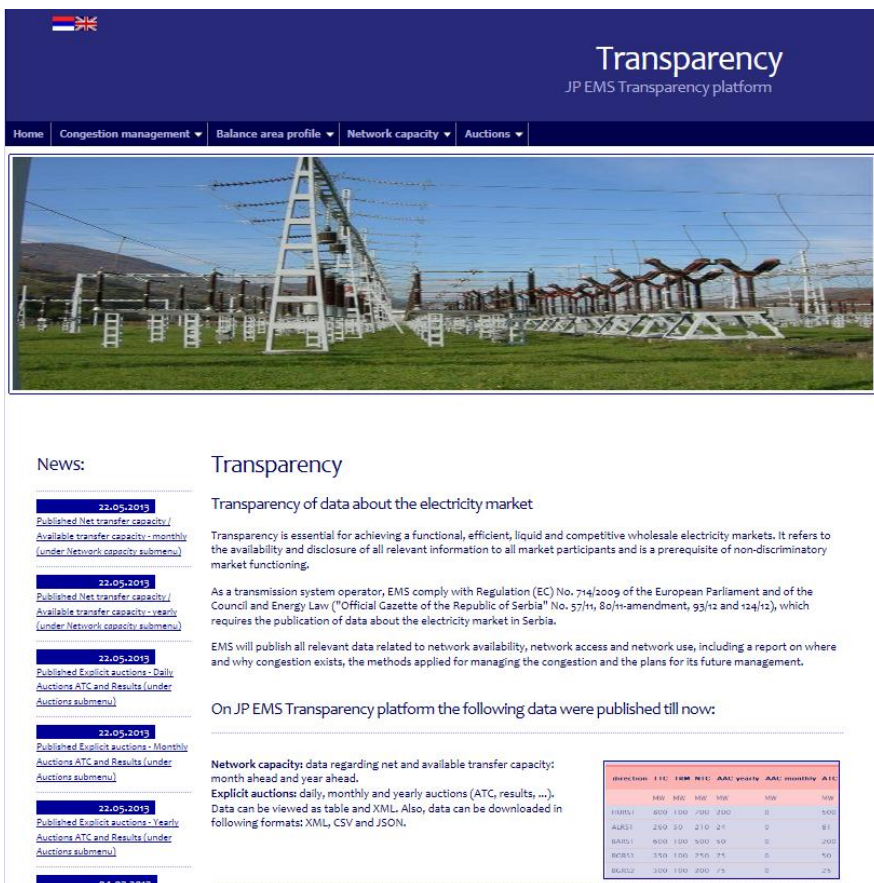
Net Transfer Capacity
Outage Information



Platforma JP EMS za transparentnost

- Platforma JP EMS za transparentnost
<http://transparency.ems.rs/>

- Upravljanje zagušenjima:
 - Prekogраниčni plan rada
 - Promena prekogраниčnog plana rada
 - Rezultati aukcija: godišnje, mesečne, dnevne aukcije
- Balansiranje i potrošnja:
 - Prognozirana dan-unapred potrošnja
 - Ostvarena potrošnja
 - Prognozirana potrošnja za sedmicu unapred
- Prenosni kapacitet:
 - Godišnji NTC
 - Mesečni NTC
 - Dnevni NTC (objava od 01.2014)
 - Plan remonata interkonektivnih dalekovoda (objava od 01.2014)
- Planirano za prvi kvartal 2014 :
 - Fizički tokovi
 - Prognozirana potrošnja za mesec unapred
 - Prognozirana potrošnja za godinu unapred



Transparency
JP EMS Transparency platform

Home Congestion management Balance area profile Network capacity Auctions

News:

Transparency
Transparency of data about the electricity market

22.05.2013
Published Net transfer capacity - Monthly
Available transfer capacity - monthly
(under Network capacity submenu)

22.05.2013
Published Net transfer capacity / Available transfer capacity - yearly
(under Network capacity submenu)

22.05.2013
Published Explicit auctions - Daily Auctions ATC and Results (under Auctions submenu)

22.05.2013
Published Explicit auctions - Monthly Auctions ATC and Results (under Auctions submenu)

22.05.2013
Published Explicit auctions - Yearly Auctions ATC and Results (under Auctions submenu)

04.03.2014

On JP EMS Transparency platform the following data were published till now:

Network capacity: data regarding net and available transfer capacity: month ahead and year ahead.
Explicit auctions daily, monthly and yearly auctions (ATC, results, ...).
Data can be viewed as table and XML. Also, data can be downloaded in following formats: XML, CSV and JSON.

direction	1 H	1 M	1 Y	NTC	AAE yearly	AAE monthly	ATC
	MEV	MEV	MEV	MEV	MEV	MEV	MEV
110KV1	800	100	200	200	0	0	500
400KV1	200	50	210	21	0	0	91
500KV1	800	100	100	100	0	0	200
500KV2	150	100	110	11	0	0	11
500KV3	200	100	200	11	0	0	21



ЈАВНО ПРЕДУЗЕЋЕ
ЕЛЕКТРОМРЕЖА СРБИЈЕ



Hvala na pažnji
<http://www.ems.rs>