

Dan unapred Scheduling proces 2019



SCHEDULING MODUL

Beograd, 16.novembar 2018.

Prijava dnevnih planova rada



Nomination Rules for Physical Transmission Rights between Bidding Zones of EMS and MAVIR

http://www.ems.rs/page.php?kat_id=179

Nomination Rules for the Bidding Zone Border Macedonia – Serbia

http://www.ems.rs/page.php?kat_id=729

http://www.ems.rs/media/uploads/2019/Pravila_2019/MKRS/ENG%2005%20MK-RS%20Nomination%20rules_2019_under_approval.pdf

Prijava dnevnih planova rada

Nomination Rules for the Bidding Zone Border Croatia - Serbia

http://www.ems.rs/page.php?kat_id=662

Nomination Rules for the Bidding Zone Border Bulgaria - Serbia

http://www.ems.rs/page.php?kat_id=661



Prijava dnevnih planova rada

- ▶ [Pravila za godišnje i mesečne aukcije za raspodelu prenosnih kapaciteta na granici regulacionih oblasti EMS AD Beograd i Nezavisnog operatora sistema u Bosni i Hercegovini](#)

Odeljak 9. Korišćenje dodeljenog kapaciteta

- ▶ [Pravila za dnevne aukcije za raspodelu prenosnih kapaciteta na granici regulacionih oblasti EMS AD Beograd i Nezavisnog operatora sistema u Bosni i Hercegovini](#)

Odeljak 8. Korišćenje dodeljenog kapaciteta

http://www.ems.rs/page.php?kat_id=726



http://www.ems.rs/page.php?kat_id=180

- ▶ Yearly and Monthly Allocation Rules for the Coordinated Allocation of Cross Zonal Capacities at the Border between the Bidding Zones of C.N.T.E.E. TRANSELECTRICA and EMS AD BEOGRAD

Section 12. USE OF PTRs

- ▶ Daily Auction Rules for the Allocation of Cross Zonal Capacities at the Border between the Bidding Zones of EMS AD Beograd ("EMS") and C.N.T.E.E. Transelectrica S.A. ("Transelectrica") for 2019

Section 8 Use of PTRs

Prijava dnevnih planova rada



http://www.ems.rs/page.php?kat_id=727

- ▶ Pravila o radu prenosnog sistema (Grid Code)

http://www.ems.rs/media/uploads/2018/Pravila%20o%20radu%20prenosnog%20sistema/PRAVILA_O_RADUPRENOSNOG_SISTEMA_.pdf

- ▶ Pravila za raspodelu prekograničnih prenosnih kapaciteta

9. Korišćenje dodeljenog prava na kapacitet

http://www.ems.rs/media/uploads/2019/Pravila_2019/SPLIT/2019_Pravila%20za%20raspodelu%20prekograničnih%20prenosnih%20kapaciteta_postupak_odobravanja.pdf

Srbija - Bugarska

Prijava dnevnih nominacija u dan unapred procesu

- ▶ Alokaciju godišnjih, mesečnih i dnevnih prekograničnih prenosnih kapaciteta organizuje **Joint Allocation Office – JAO** što će dovesti do sledećih izmena prilikom prijave dnevnih planova rada:
 - ▶ Promena formata **Capacity Agreement Identification – CAI**
 - ▶ Usklađivanje transakcija se vrši prema **In/Out Area, In/Out Party, CAI i CCT** (Capacity Contract Type)

Aukcije koje organizuje JAO

Način kreiranja CAI od strane JAO:

contract ID = CAI= **DDMMYY##-AA-BB-ZZRR**

Primer: 311218DP-RS-BG-AZ01

DDMMYY	##-	AA-	BB-	ZZ	RR
Date before first delivery date	Jedinstveni identifikator učesnika na tržištu (na primer QZ)	Out Area (na primer RS za Srbiju)	In Area (na primer BG za Bugarsku)	Jedinstveni identifikator aukcije (primeri su u tabeli na sledećem slajdu)	Auction Round (obično 01 ili 02)

Aukcije koje organizuje JAO – CAI

ZZ – jedinstveni identifikatori aukcije

ZZ	
RA	Yearly base market from Croatia to Serbia
RB	Monthly base market from Croatia to Serbia
RC	Daily market from Croatia to Serbia
RD	Yearly base market from Serbia to Croatia
RE	Monthly base market from Serbia to Croatia
RF	Daily market from Serbia to Croatia
RG	Shadow Daily market from Croatia to Serbia
RH	Shadow Daily market from Serbia to Croatia
AT	Yearly base market from Bulgaria to Serbia
AU	Monthly base market from Bulgaria to Serbia
AV	Daily base market from Bulgaria to Serbia
AW	Shadow Daily base market from Bulgaria to Serbia
AX	Yearly base market from Serbia to Bulgaria
AY	Monthly base market from Serbia to Bulgaria
AZ	Daily base market from Serbia to Bulgaria
B0	Shadow Daily base market from Serbia to Bulgaria

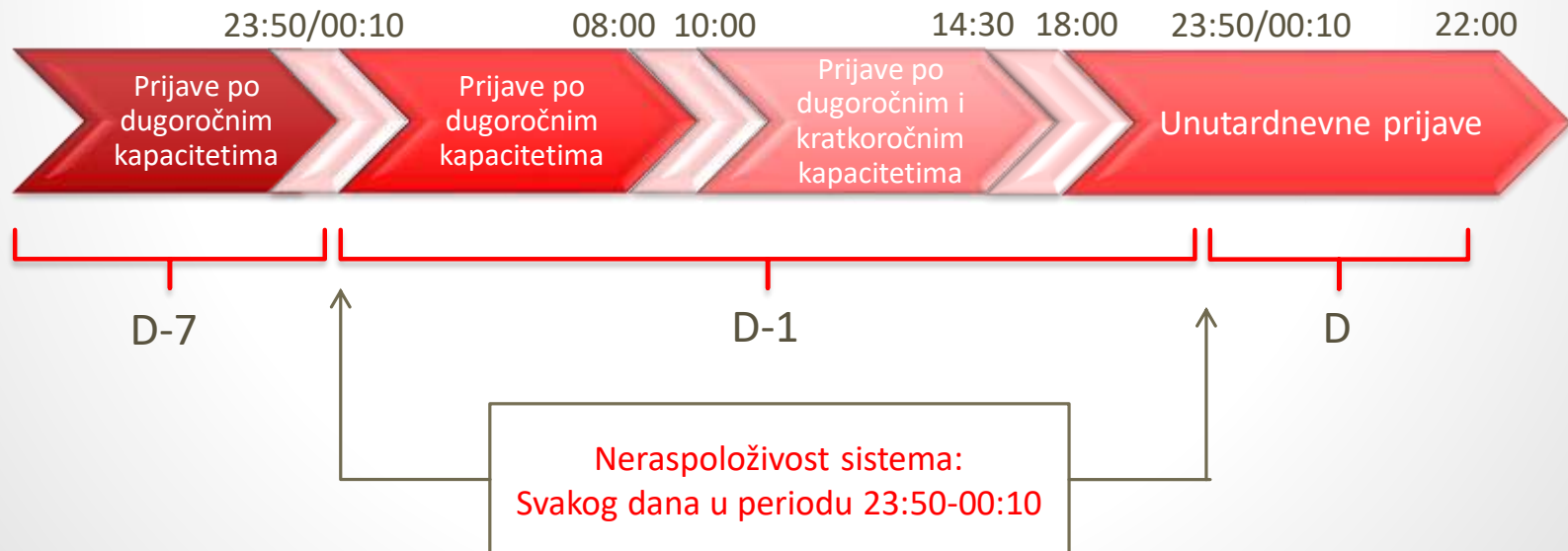
Prijava dnevnih planova rada

Dijagram prijave

http://www.ems.rs/page.php?kat_id=43

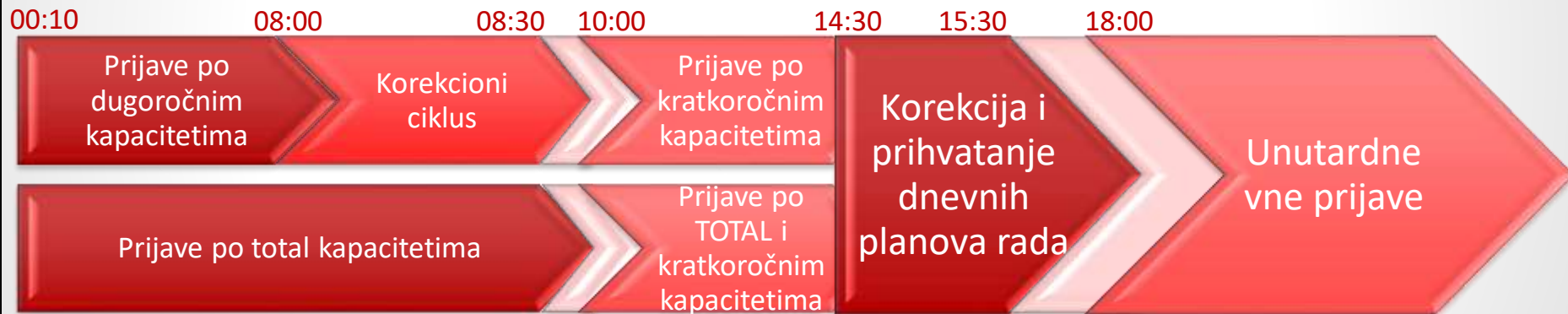
User Manual

http://www.ems.rs/page.php?kat_id=79 Pravila



Prijava dnevnih planova

Dijagram prijave



Status KOSTT

- ▶ Sve razmene sa KOSTT se prijavljuju kao blokovi interne razmene između BOS koji su registrovani u regulacionoj oblasti EMS i koda **10XRKS-KOSTT-007**
- ▶ **KOSTT se tretira kao BOS**

Pitanja?



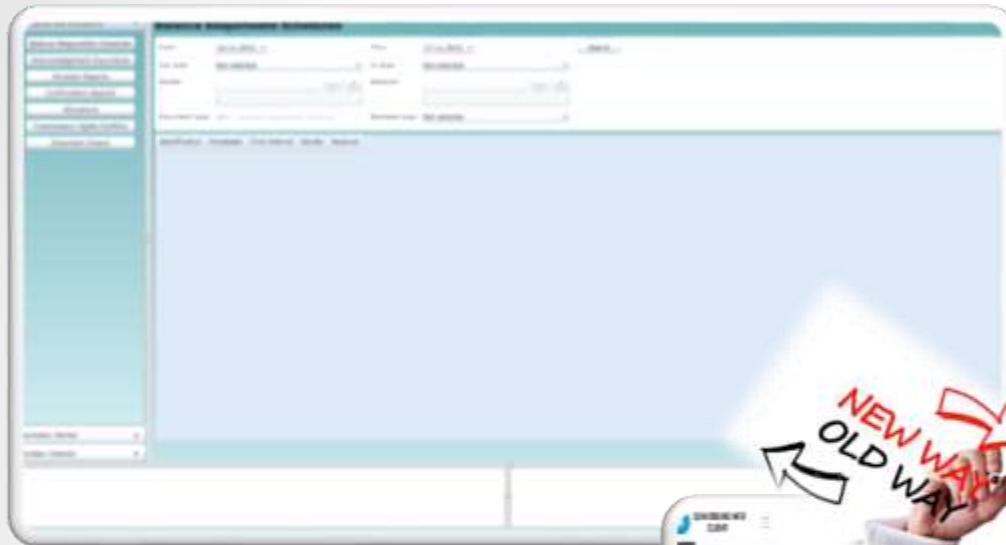
Scheduling Web Client

SCHEDULING MODUL

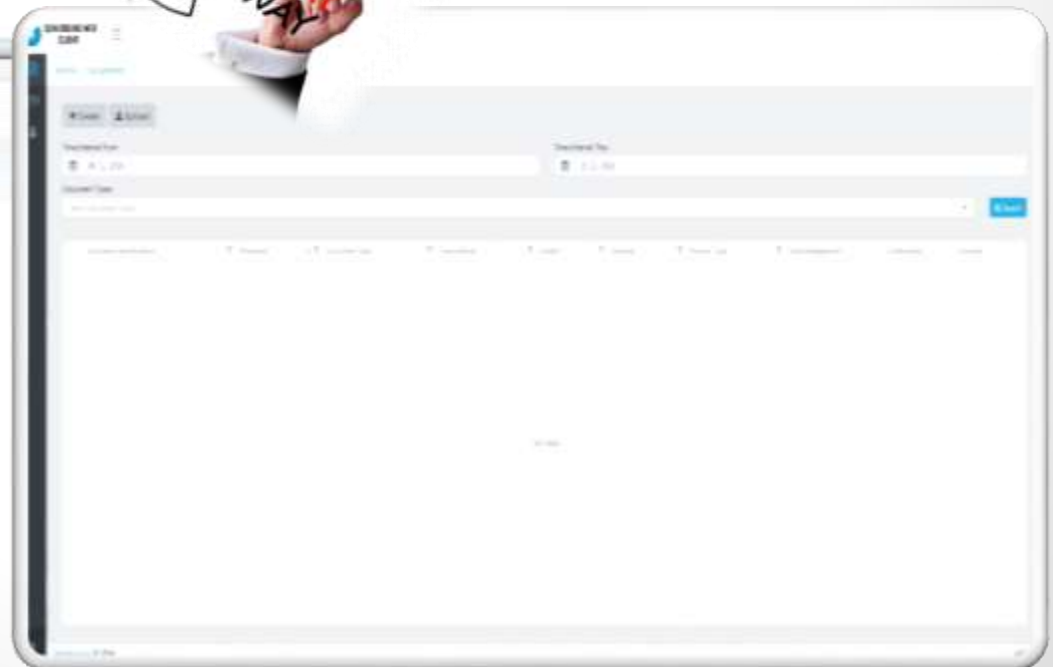
Beograd, 16.novembar 2018.

14

Prelazak sa starog na novi Web Client



Version 4.3



Version 4.9

Scheduling Web Client je *web based* aplikacija dostupna na linku:

<https://mms.ems.rs/External-Scheduling-Client>

Kompatibilna sa pretraživačima:

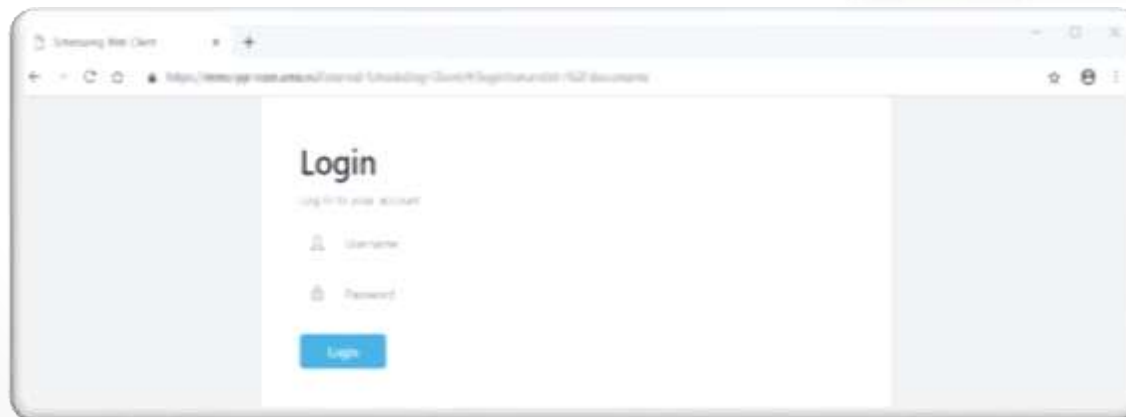
- Chrome
- Microsoft Edge
- Internet Explorer 11
- Firefox
- Opera
- Vivaldi



Sadašnja verzija: **4.9.29.**

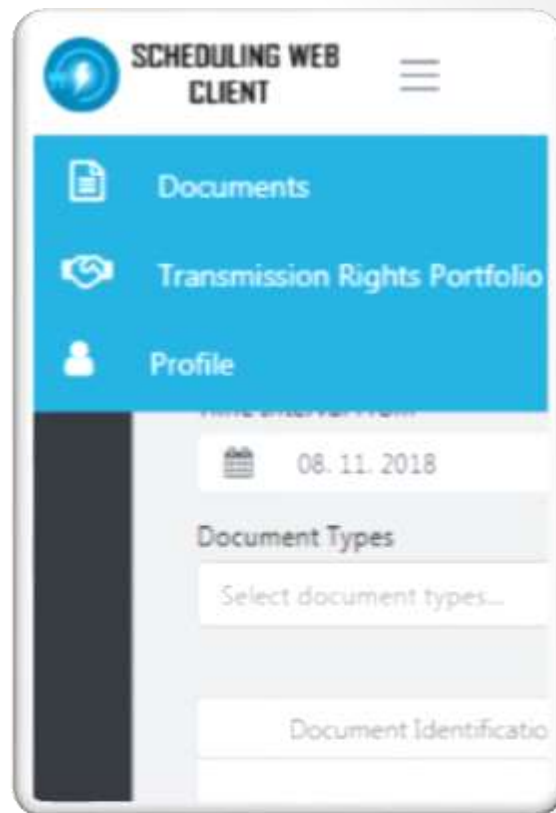
Potrebni uslovi za logovanje u aplikaciju:

- Elektronski sertifikat
- User Name i Password



Scheduling Web Client podržava sledeće funkcije:

- **Documents** – Balance Responsible Schedule fajlovi
- **Transmission Rights Portfolio** – dokument koji sadrži kompletan portfolio učesnika na tržištu (BOS) (Prekogranični prenosni kapaciteti)
- **User Profile** – stranica gde učesnik može ažurirati podatke



Prikazuje Balance Responsible Schedules (BRS) i pregled povezanih dokumenata (ACK, CNF, ANO)

***Edit – View**

Balance Responsible Schedules je moguće menjati, svi ostali dokumenti se mogu samo pregledati

***Document Download**

Balance Responsible Party može sačuvati sve dokumente u.XML formatu koristeći dugme



Home / Documents

Document 20181004 BRS 12XFT- 155256 (ver. 2) has been updated. Please see the following **acknowledgement** document for more information.

+ Create + Upload


Time Interval From: 01.10.2018 Time Interval To: 10.10.2018

Document Types:

Document Identification	Received	Document Type	Time Interval	Status	Receiver	Process Type	Acknowledgment	Confirmation	Answer
20181004_BRS_12XFT_155256_Q2	01.10.2018 14:05	Balance responsible schedule	01.10.2018	BT (BRS-SEBASTIĆ)	01.10.2018 14:05	Schedule day	OK		
20181004_ACK_BT_SWITZERL_0001	01.10.2018 14:09	Acknowledgment Document	01.10.2018	01 (ACK-SEBASTIĆ)	01.10.2018 14:09		OK		
20181004_BRS_CNF_BT_SWITZERL_0001	01.10.2018 14:09	Intermediate confirmation report	01.10.2018	01 (CNF-SEBASTIĆ)	01.10.2018 14:09	Schedule day	OK		
20181004_BRS_ANO_BT_SWITZERL_0001	01.10.2018 14:09	Annular Report	01.10.2018	01 (ANO-SEBASTIĆ)	01.10.2018 14:09		OK		
20181004_ACK_BT_SWITZERL_0004	01.10.2018 14:09	Acknowledgment Document	01.10.2018	01 (ACK-SEBASTIĆ)	01.10.2018 14:09		OK		
20181004_ACK_BT_SWITZERL_0003	01.10.2018 13:51	Acknowledgment Document	01.10.2018	01 (ACK-SEBASTIĆ)	01.10.2018 13:51		OK		
20181003_ACK_BT_SWITZERL_0003	01.10.2018 13:49	Acknowledgment Document	01.10.2018	01 (ACK-SEBASTIĆ)	01.10.2018 13:49		OK		
20181003_ACK_BT_SWITZERL_0004	01.10.2018 13:49	Acknowledgment Document	01.10.2018	01 (ACK-SEBASTIĆ)	01.10.2018 13:49		OK		
20181004_ACK_BT_SWITZERL_0002	01.10.2018 13:19	Acknowledgment Document	01.10.2018	01 (ACK-SEBASTIĆ)	01.10.2018 13:19		OK		
20181004_ACK_BT_SWITZERL_0007	01.10.2018 13:14	Acknowledgment Document	01.10.2018	01 (ACK-SEBASTIĆ)	01.10.2018 13:14		OK		
20181003_ACK_BT_SWITZERL_0001	01.10.2018 11:46	Acknowledgment Document	01.10.2018	01 (ACK-SEBASTIĆ)	01.10.2018 11:46		OK		
20181004_BRS_ANO_BT_SWITZERL_0003	01.10.2018 11:09	Annular Report	01.10.2018	01 (ANO-SEBASTIĆ)	01.10.2018 11:09		OK		
20181004_BRS_CNF_BT_SWITZERL_0002	01.10.2018 10:15	Final confirmation report	01.10.2018	01 (CNF-SEBASTIĆ)	01.10.2018 10:15	Schedule day	OK		
20181003_BRS_CNF_BT_SWITZERL_0001	01.10.2018 10:12	Final confirmation report	01.10.2018	01 (CNF-SEBASTIĆ)	01.10.2018 10:12	Schedule day	OK		
20181003_ACK_BT_SWITZERL_0002	01.10.2018 10:12	Acknowledgment Document	01.10.2018	01 (ACK-SEBASTIĆ)	01.10.2018 10:12		OK		
20181003_BRS_CNF_BT_SWITZERL_0001	01.10.2018 09:52	Final confirmation report	01.10.2018	01 (CNF-SEBASTIĆ)	01.10.2018 09:52	Schedule day	OK		
20181003_ACK_BT_SWITZERL_0007	01.10.2018 09:47	Acknowledgment Document	01.10.2018	01 (ACK-SEBASTIĆ)	01.10.2018 09:47		OK		

Balance Responsible Schedules

- ❑ BRS se unosi ručno
- ❑ Verzija dokumenta se automatski povećava
- ❑ Za svaki BRP nominuje se po jedan plan za:
 - Trade Responsible Schedule
 - Consumption Responsible Schedule (Domain “34Y-ESS-CRP----0”)
 - Production Responsible Schedule (Domain “34Y-ESS-PRP----7”)

- ❑ Unos dokumenta se završava pritiskom na dugme 
- ❑ Sistem prilikom prijema dokumenta šalje Acknowledgement (ACK)

Balance responsible schedule: 20181115_BRS_11XNEAS_115828

General Time Series

Document Identification
20181115_BRS_11XNEAS_115828

Time Interval From
15.11.2018

Time Interval Thru
15.11.2018

Document Type
A01 - Balance responsible schedule

Process Type
A17 - Schedule day

Sender
NEAS (11XNEAS----

Receiver
EMS (10XCS-SERBATS08)

Sender Role
A08 - Balance responsible party

Receiver Role
A04 - System operator

Domain

Classification
A01 - Detail type

Cancel Create

Balance responsible schedule: 20181115_BRS_11XNEAS_115828

General Intervals

+A01

Identification
1100001

Business Type
A01 - General trade explicit capacity

Version
1

Product
87286/000016 - Active power

Out Date

In Date

Out Party
NEAS (11XNEAS----

In Party
NEAS (11XNEAS----

Measuring Point

Capacity Contract Type

Capacity Agreement Identification

Object Aggregation
A04 - System operator

Resolution
60 min

Measurement Unit
MWh - Megawatt

Cancel Create

Acknowledgement Document

- ❑ Sistem prvo proverava sintaksne i semantičke greške
- ❑ Svi ACK dokumenti su dostupni u Document View
- ❑ Prilikom unosa BRS sistem istovremeno odgovara sa porukom koja je linkovana na ACK dokument:

Document 20181004_BRS_12XEFT_135256 (ver. 2) has been updated. Please see the following [acknowledgement document](#) for more information. ✕

Document 20181003_BRS_EFT-SWI_153700 (ver. 3) has been rejected. Please see the following [acknowledgement document](#) for more information. ✕

- ❑ General Tab i ACK reasons:
 - *A01 – Message Fully Accepted*
 - *A02 – Message Fully Rejected*

- ❑ Time Series tab pruža više informacija o odbijanju Time Serie

Acknowledgement Document: 20181103_ACK_ENAC_00002

General Time Series

Document Identification
20181103_ACK_ENAC_00002

Time Interval From
05. 11. 2018

Time Interval Thru
05. 11. 2018

Document Type
A17 - Acknowledgement Document

Sender
EMS (10KCS-SERBATS08)

Receiver
ENAC (34X-000000010-X)

Sender Role
A04 - System operator

Receiver Role
A08 - Balance responsible party

Referenced Document Identification
20181103_BRS_34X-000_160834

Referenced Document Version
1

Referenced Document Type
A01 - Balance responsible schedule

Referenced Document Date/Time
30. 10. 2018 16:11

Created
30. 10. 2018 16:11

Processed
30. 10. 2018 16:11

Reasons
A02 - Message fully rejected
Message fully rejected

✕ Close

Anomaly i Confirmation Reports

Anomaly Report – sadrži time series koje imaju neslaganje (mismatch) za učesnika

Confirmation Report – sadrži sve time series koje su poslate u BRS dokumentu

Sistem kreira *Intermediate Confirmation Report* i *Final Confirmation Report* (na cut-off time)

Confirmation Reason Code:

- **A06 – Schedule Accepted**
- **A07 – Schedule Partially Accepted**
- **A08 – Schedule Rejected**

General Tab – adrži informacije o sender, reciever i date/time

Time Series Tab – sadrži detaljne informacije o greškama u time series

The image displays two screenshots of a software interface for reporting anomalies and confirmations. The top screenshot is titled 'Anomaly Report: 20181114_BRS-ANO_NEAS_00012'. It shows a 'General' tab with fields for Document Identification (20181114_BRS-ANO_NEAS_0002), Time Interval From (14.11.2018), Document Type (A16 - Anomaly Report), Sender (EMF (119CS-SERBATSOM)), Sender Role (ADM - System operator), Domain (RS (119CS-SERBATSOM)), Created (13.11.2018 13:00), Document Version (1), Time Interval To (14.11.2018), Process Type, Receiver (NEAS (119NEAS-Q)), Receiver Role (ADR - Trade responsible party), Classification, and Processed (13.11.2018 13:00). The bottom screenshot is titled 'Final confirmation report: 20181114_BRS-CNF_NEAS_00001'. It shows a 'General' tab with fields for Document Identification (20181114_BRS-CNF_NEAS_0001), Time Interval From (14.11.2018), Document Type (A08 - Final confirmation report), Sender (EMF (119CS-SERBATSOM)), Sender Role (ADM - System operator), Referenced Document Identification (20181114_BRS-ANO_NEAS_00012), Referenced Document Type (A01 - Balance responsible schedule), Domain (RS (119CS-SERBATSOM)), Created (13.11.2018 13:00), Document Version (1), Time Interval To (14.11.2018), Process Type (A17 - Schedule day), Receiver (NEAS (119NEAS-Q)), Receiver Role (ADR - Balance responsible party), Referenced Document Version (2), Referenced Document Date/Time (13.11.2018 13:00), Classification, and Processed (13.11.2018 13:00). Both screenshots have a 'Close' button in the bottom right corner.

Transmission Rights Portfolio

- Transmission Rights Portfolio TRP informiše Capacity Trader-a alociranim pravima na prekogranični prenosni kapacitet
- TRP se kreira na zahtev učesnika
- Svaki učesnik (BRP) može videti samo njegove alocirane kapacitete
- Kapaciteti gde je vlasnik (Right Holder) prekogranični partner nisu prikazani

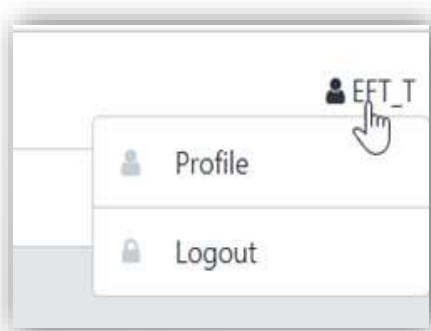
The image shows two screenshots of a web application interface for Transmission Rights Portfolio (TRP).

The top screenshot displays the 'General' tab for a specific TRP document. The document identification is '20181114_TRP_NEAS_NHURK00DLKLPV1'. The time interval type is '18.11.2018' and the document type is 'A02 - Transmission rights portfolio'. The sender is 'EM5 (10VCS-SERBATSOW)' and the receiver is 'NEAS (11XNEAS-Q)'. The sender role is 'A07 - Transmission capacity allocator' and the receiver role is 'A29 - Capacity Trader'. The domain is 'RS (10VCS-SERBATSOW)' and the created date is '14.11.2018 13:34'.

The bottom screenshot shows a list of capacity rights. The first entry is 'TS00001' with business type 'A34 - Capacity rights', out area 'HU', and rights holder 'MAW'. The second entry is 'TS00002' with business type 'A34 - Capacity rights', out area 'RS', and rights holder 'NEAS'. The interface also shows a 'General' tab for the selected entry, with details such as identification 'TS00001', business type 'A34 - Capacity rights', out area 'HU', and rights holder 'NEAS (11XNEAS-Q)'. The capacity contract type is 'A02 - Daily' and the object aggregation is '50 min'.

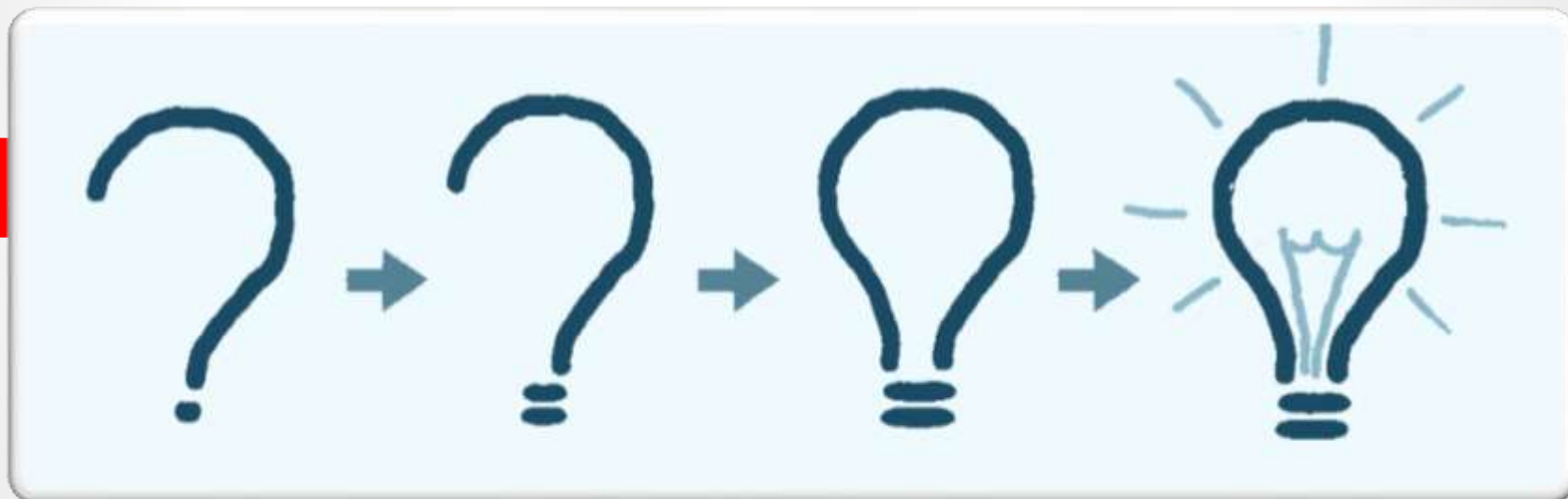
Korisnički profil i Logout opcije

- Korisnički profil je stanica gde učesnik može ažurirati (videti) informacije:
 - Username
 - Display Name
 - Vreme poslednje promene Password-a
 - Vreme isteka Password-a
- Promena Password-a je takođe dostupna za učesnike



Logout opcijaje dostupna u gornjem desnom uglu

Pitanja?



DEAR COLLEAGUES



**THANK YOU FOR YOUR ATTENTION. YOU
MAY APPLAUSE NOW**



Hvala na pažnji!