

## NOVITA & ELEKTROMREŽA SRBIJE Market Management System

# Scheduling System Manual for Market Participants (Web Client)

MARKET MANAGEMENT SYSTEM

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# **Application Basics**

Scheduling Web Client is a web based application. It is available on: <u>https://mms.ems.rs/External-Scheduling-Client</u>.

Its functionalities are implemented according to documents and definitions produced by the ENTSO-E Electronic Data Interchange (EDI) Working Group. Links to particular documents are available bellow, but you can check the entire <u>EDI Library</u>.

Scheduling Web Client is html application compatible with the following browsers:

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

#### Login

The user is required to use an electronic certificate (cryptographic hardware token) and Scheduling Web Client user account (username and password logon). After selecting certificate, dialog with the username and password field is displayed.

Once you are logged in, the applicaton will be synchronized with the server.

| ← → C △ ▲ How many and a set idealing the tild interest          | Scheduling Web Client × +      |                                                                       | - 🗆 X        |
|------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------|--------------|
| Login<br>Log It to your account<br>Lesrname<br>Password<br>Login | ← → C △ ( ▲ https://www.yp.ass | amanyil via sali Soloadaloog Classi/Ajloqioloata siidi /S2Valosamaria | ж <b>Ө</b> : |
| ⊥       Username         △       Password         Login          |                                | Login<br>Log in to your account                                       |              |
| Cogin                                                            |                                | 요. Username                                                           |              |
|                                                                  |                                | Password                                                              |              |
|                                                                  |                                | Login                                                                 |              |
|                                                                  |                                |                                                                       |              |
|                                                                  |                                |                                                                       |              |
|                                                                  |                                |                                                                       |              |
|                                                                  |                                |                                                                       |              |
|                                                                  |                                |                                                                       |              |

Logout option is available in right upper corner.



Scheduling Web Client supports following functions, available on the left side navigation tree:

- **Documents** all Balance Responsible Schedule related documents;
- **Transmission Rights Portfolio** the document with a complete portfolio of Market participant (Party) transmission capacity rights;
- User Profile.

### **Documents**

Documents view is a main view of provided Balance Responsible Schedules and related documents. On the top filter is available with Time Interval and Documents Type options. In the table below from the right first Edit and View options are available. Balance Responsible Schedules can be edited, all other responses can be reviewed. Following Document Identification, Processed date and time, Document Type, Time Interval, Sender and Receiver information is available. Next Reason Codes data are available, with following logic used:

• **Balance Responsible Schedules** (BRS) have link to related latest Acknowledgement, Confirmation and Anomaly reports, with related document Reason Code and time of creation displayed. While using "mouse over" function, additional Reason Text is displayed and with clicking on hyperlink next to it, related document is opened;

|      | Document Identification         | Processed 4 W      | Document Type                  | * Time Interval | ₩ Sender                           | T Receiver                         | Process Type | Acknowledgement         |
|------|---------------------------------|--------------------|--------------------------------|-----------------|------------------------------------|------------------------------------|--------------|-------------------------|
| Edi  | 20181004_BRS_12XEFT135256 (2)   | 03. 10. 2018 14:05 | - Balance responsible schedule | 04. 10. 2018    | EFT-SWITZERLAND (12XEFT-SWITZERLR) | EMS (10XCS-SERBIATSOB)             | Schedule day | CT - 03. 10. 2018 14:05 |
| View | 20181004_ACK_EFT-SWITZERL_00005 | 03. 10. 2018 14:05 | 117 - Acknowledgement Document | 04. 10. 2018    | EMS (10XCS-SERBIATSO8)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |              | Message fully accepted  |

• All other documents (BRS related documents) have just their own code displayed.

Users can download all documents as XMLs using <sup>4</sup> button. Data can be filtered in grid table also by all available columns.

| Document 20181004_BRS_12XEFT1352        | 56 (ver. 2) has been upo | dated. Please see the following <b>acknowled</b> | lgement document f | or more information.               |                                    |                    |                          |                          |         | >    |
|-----------------------------------------|--------------------------|--------------------------------------------------|--------------------|------------------------------------|------------------------------------|--------------------|--------------------------|--------------------------|---------|------|
| + Create 🛓 Upload                       |                          |                                                  |                    |                                    |                                    |                    |                          |                          |         |      |
| me Interval From                        |                          |                                                  |                    | Time Interva                       | l Thru                             |                    |                          |                          |         |      |
| 03. 10. 2018                            |                          |                                                  |                    | 10.                                | 10. 2018                           |                    |                          |                          |         |      |
| ocument Types                           |                          |                                                  |                    |                                    |                                    |                    |                          |                          |         |      |
| Select document types                   |                          |                                                  |                    |                                    |                                    |                    |                          |                          | -       | Q SI |
|                                         |                          |                                                  |                    |                                    |                                    |                    |                          |                          |         |      |
| Document Identification                 | T Processed              | ↓ ▼ Document Type                                | Time Interval      | T Sender                           | T Receiver                         | T Process Type     | T Acknowledgement        | Confirmation             | Anomaly |      |
| Edit 20181004_BRS_12XEFT135256 (2)      | 03. 10. 2018 14:05       | - Balance responsible schedule                   | 04. 10. 2018       | EFT-SWITZERLAND (12XEFT-SWITZERLR) | EMS (10XCS-SERBIATSOB)             | AT7 - Schedule day | Att - 03. 10. 2018 14:05 |                          |         |      |
| 20181004_ACK_EFT-SWITZERL_00005         | 03. 10. 2018 14.05       | ATT - Acknowledgement Document                   | 04. 10. 2018       | EMS (10XCS-SERBIATSO8)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    | 600                      |                          |         |      |
| ew 20181004_BRS-CNF_EFT-SWITZERL_00001  | 03. 10. 2018 14:00       | - Intermediate confirmation report               | 04. 10. 2018       | EMS (1000CS-SERBIATSOB)            | EFT-SWITZERLAND (12XEFT-SWITZERLR) | A17 - Schedule day |                          | ALE                      |         |      |
| ew 20181004_BRS-ANO_EFT-SWITZERL_00001  | 03. 10. 2018 14:00       | A10 - Anomaly Report                             | 04. 10. 2018       | EMS (100CS-SERBIATSO8)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    |                          |                          | A28     |      |
| ow 20181004_ACK_EFT-SWITZERL_00004      | 03. 10. 2018 14:00       | 417 - Acknowledgement Document                   | 04.10.2018         | EMS (100CS-SERBIATSOB)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    | 662                      |                          |         |      |
| ew 20181004_ACK_EFT-SWITZERL_00003      | 03. 10. 2018 13:53       | A17 - Acknowledgement Document                   | 04. 10. 2018       | EMS (100CS-SERBIATSO8)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    | All                      |                          |         |      |
| ow 20181003_ACK_EFT-SWITZERL_00005      | 03. 10. 2018 13:48       | 417 - Acknowledgement Document                   | 03. 10. 2018       | EMS (100CS-SERBIATSO8)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    | A02                      |                          |         |      |
| ew 20181003_ACK_EFT-SWITZERL_00004      | 03. 10. 2018 13:48       | A17 - Acknowledgement Document                   | 03. 10. 2018       | EMS (10XCS-SERBIATSO8)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    | AD2                      |                          |         |      |
| ew 20181004_ACK_EFT-SWITZERL_00002      | 03. 10. 2018 13:16       | 417 - Acknowledgement Document                   | 04. 10. 2018       | EMS (100CS-SERBIATSO8)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    | A12                      |                          |         |      |
| 20181004_ACK_EFT-SWITZERL_00001         | 03. 10. 2018 13:16       | A17 - Acknowledgement Document                   | 04. 10. 2018       | EMS (10XCS-SERBIATSOB)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    | A12                      |                          |         |      |
| 20181003_ACK_EFT-SWITZERL_00003         | 03. 10. 2018 11:46       | A12 - Acknowledgement Document                   | 03. 10. 2018       | EMS (10XCS-SERBIATSO8)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    | A01                      |                          |         |      |
| 20181003_BRS-ANO_EFT-SWITZERL_00003     | 02. 10. 2018 12:00       | Atte - Anomaly Report                            | 03.10.2018         | EMS (TOXCS-SERBIATSOB)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    |                          |                          | 854     |      |
| few 20181003_BRS-CNF_EFT-SWITZERL_00002 | 02. 10. 2018 10:13       | - Final confirmation report                      | 03. 10. 2018       | EMS (10XCS-SERBIATSO8)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) | A17 - Schedule day |                          | A26                      |         |      |
| dit 20181003_BR5_EFT-SWI_153700 (2)     | 02. 10. 2018 10:12       | - Balance responsible schedule                   | 03. 10. 2018       | EFT-SWITZERLAND (12XEFT-SWITZERLR) | EMS (100CS-SERBIATSOB)             | A17 - Schedule day | Ast - 02. 10. 2018 10:12 | Atc - 02. 10. 2018 10:13 |         |      |
| ew 20181003_ACK_EFT-SWITZERL_00002      | 02. 10. 2018 10:12       | Acknowledgement Document                         | 03. 10. 2018       | EMS (10XCS-SERBIATSO8)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    | A01                      |                          |         |      |
| iew 20181003_BRS-CNF_EFT-SWITZERL_00001 | 02. 10. 2018 09.52       | - Final confirmation report                      | 03. 10. 2018       | EMS (100CS-SERBIATSO8)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) | A17 - Schedule day |                          | AIG                      |         |      |
| ew 20181003_ACK_EFT-SWITZERL_00001      | 02. 10. 2018 09:47       | Acknowledgement Document                         | 03. 10. 2018       | EMS (10XCS-SERBIATSOB)             | EFT-SWITZERLAND (12XEFT-SWITZERLR) |                    | (411)                    |                          |         |      |

**Balance Responsible Schedules** 

A **Balance Responsible Schedule** is the only document to be entered manually via GUI in Scheduling Web Client Documents section. It provides the position of a Market participant (Party) or a Domain related to some market information (i.e. Document Type). It includes a set of time series schedules.

It is required, that one schedule document (attributes checked are: *Domain*, *In/Out Area*, *In/Out Party*, *Capacity Contract Type* and *Capacity Agreement Identification*) is exchanged for a date and role, which means that if there are additions, modifications or suppressions to the set of time series

within the schedule document, the Document Identification remains unchanged but the version number must be increased. In Scheduling Web Client the version number is automatically increased, when user changes and confirms schedule document.

To enter new Balance Responsible Schedule, click on +ceede button in the upper left corner of Documents section. Most of the data required by ESS standard is already pre-entered and cannot be changed.

| General Time Series                |   |                        |  |
|------------------------------------|---|------------------------|--|
| Document Identification            |   |                        |  |
| 20181004_BRS_12XEFT120926          |   |                        |  |
| Time Interval From                 |   | Time Interval Thru     |  |
| 04. 10. 2018                       |   | 04. 10. 2018           |  |
| Document Type                      |   | Process Type           |  |
| A01 - Balance responsible schedule | + | A17 - Schedule day     |  |
| Sender                             |   | Receiver               |  |
| EFT-SWITZERLAND (12XEFT-SWITZERLR) | v | EMS (10XCS-SERBIATSOB) |  |
| Sender Role                        |   | Receiver Role          |  |
| A08 - Balance responsible party    | * | A04 - System operator  |  |
| Domain                             |   | Classification         |  |
|                                    | * | A01 - Detail type      |  |
|                                    |   |                        |  |
|                                    |   |                        |  |
|                                    |   |                        |  |

Domain "34Y-ESS-CRP----0" and Object aggregation "A03" (Party) are mandatory information when Business type A04 (Consumption) is selected. Schedule messages without required or with irregular data will be rejected.

Domain "34Y-ESS-PRP----7" and Object aggregation "A03" (Party) are mandatory information when Business type A01 (Production) is selected. Schedule messages without required or with irregular data will be rejected.

Schedule time series entry is available on the **Time Series** tab. Users can create a new one with clicking the time button or edit an existing with click on it in the left part of the Time Series view. On the Schedule Time Series dialog some data are (pre)entered automatically and cannot be changed according to ETSO rules. Capacity Contract Type (CCT) and Capacity Agreement Identification (CAI) are mandatory information, when Business type A03 (External trade explicit capacity) is selected. Schedule messages without required or with irregular data will be rejected. See <u>ESS Implementation Guide</u> for more information about Schedule documents.

Time series quantity entry is available on **Intervals** tab. User can type values directly, use copy (Ctr+C) / paste (Ctr+V) functions or alternatively, the values can be set in bulk by using the **Position Setter** tool, available by clicking the button in right corner. While clicking Position Setter, **Standardized Product** options dialog is opened. It allows choosing the delivery profile for time interval predefined on General tab using predefined products (Base, EU Peak, EU Off-peak, Peak, Off-peak) or entering each value individually. When CONFIRM button is pressed, the values are copied into the main grid.

If **Ignore empty values** option is checked, CONFIRM will not copy empty cells as 0 to the main grid – it will leave the original data in those positions unchanged. For example:

- First document version has BASE time interval Qty (10);
- In second document version user wants to reduce EU OFF-PEAK Qty to 5. This can be simply done with Position Setter add Qty 5, then use EU OFF-PEAK option and finally Ignore empty values option, so non EU OFF-PEAK values remains unchanged on Intervals grid.

You can select to have **Quantities as difference** (offsets) from the existing time series intervals. For example, if you would like to lower quantities for the whole time series for 1MW, you could enter quantity -1. After confirming the dialog 1 MW will be subtracted from intervals.

| esponsible schedule: 20181004_BR5_120                    | EFT131631                                       |                                                                           |   | Balance responsible sched | ale: 20181004_BRS_12XE | FT131631                             |             |                    |     |                                                                           |
|----------------------------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------|---|---------------------------|------------------------|--------------------------------------|-------------|--------------------|-----|---------------------------------------------------------------------------|
| Time Series (8)                                          |                                                 |                                                                           |   | General Time Series       |                        |                                      |             |                    |     |                                                                           |
| + Add                                                    | General Intervals                               |                                                                           |   | +/                        | dd                     | General Intervals                    |             |                    |     |                                                                           |
| 001<br>Inees Type<br>1 - Estermat trade explain capacity | Identification<br>150001                        | Umion 1                                                                   |   | TS00001<br>Business Type  |                        |                                      | 4. 10. 2018 |                    |     | Standardized                                                              |
| Nety Is Nety<br>SAUZZELAND UT-SAUZZELAND                 | Excitence Type                                  | Product                                                                   |   | Out Party                 | in Party               | 1 00:00 - 01:00                      | 0           | 1 00:00 - 01:00    | 0   | 100 FFOGGCC                                                               |
|                                                          | Dut Area                                        | In Assa                                                                   |   | Out Area                  |                        | 2 01.00 - 02.00                      | 0           | 2 01:00 - 02:00    | 0   | BASE                                                                      |
|                                                          | HR (1011-R-HEPM)                                | * RS (10YCS-SERBIATSOV)                                                   | Ψ | 607<br>411 - Date         |                        | 3 02:00 - 03:00                      | 0           | 3 02:00 - 03:00    | 0   | (0-24)                                                                    |
|                                                          | Dut Rwty<br>EFT-SWITZERLAND (12)(EFT-SWITZERLE) | In Party     Introduction and international contractions                  |   |                           | SWATZERER, OF TOTAL    | 5 04:00 - 05:00                      | •           | 5 04:00 - 05:00    |     | EU PEAK<br>(8-20)                                                         |
|                                                          | Netwing Point                                   |                                                                           |   |                           |                        | 6 05.00 - 06.00                      | 0           | 6 05:00 - 06:00    | 0   | EU OFF-PEAK                                                               |
|                                                          |                                                 | *                                                                         |   |                           |                        | 8 07:00 - 08:00                      | 0           | 8 07.00 - 08.00    | 0   | (0-6, 20-24)<br>DEAV                                                      |
|                                                          | Capacity Contract Type A01 - Daily              | Capacity Agreement Identification     PS RSAU AO1 10/0277-GWT02RUR B41818 | - |                           |                        | 9 08:00 - 09:00                      | 100         | 9 08:00 - 09:00    | 100 | (6-22)                                                                    |
|                                                          | Object Appregation                              | Resolution                                                                |   |                           |                        | 10 09:00 - 10:00                     | 100         | 10 09:00 - 10:00   | 100 | OFF-PEAK<br>10-6, 22-241                                                  |
|                                                          | A04 - Agreement Identification                  | ~ 60 min                                                                  | ¥ |                           |                        | 12 11:00 - 12:00                     | 100         | 12 11:00 - 12:00   | 100 |                                                                           |
|                                                          | Measurement Unit<br>MORF - megawatt             | *                                                                         |   |                           |                        | 13 12:00 - 13:00                     | 100         | 13 12.00 - 13.00   | 100 |                                                                           |
|                                                          |                                                 |                                                                           |   |                           |                        | 14 13:00 - 14:00<br>15 14:00 - 15:00 | 100         | 14 13:00 - 54:00   | 100 |                                                                           |
|                                                          |                                                 |                                                                           |   |                           |                        | 16 15:00 - 16:00                     | 100         | 16 15:00 - 16:00   | 100 |                                                                           |
|                                                          |                                                 |                                                                           |   |                           |                        | 17 16:00 - 17:00<br>18 17:00 - 18:00 | 100         | 17 16:00 - 17:00   | 100 |                                                                           |
|                                                          |                                                 |                                                                           |   |                           |                        | 19 18:00 - 19:00                     | 100         | 19 18:00 - 19:00   | 100 |                                                                           |
|                                                          |                                                 |                                                                           |   |                           |                        | 20 19:00 - 20:00                     | 100         | 20 19:00 - 20:00   | 100 | <ul> <li>Ignore empty values</li> <li>Quartities as difference</li> </ul> |
|                                                          |                                                 |                                                                           |   |                           |                        | 21 20:00 - 21:00                     | 0           | - 21 20:00 - 21:00 | 0   | Confirm                                                                   |

Document entry is finished by pressing **\***core button. System immediately respond with <u>Acknowledgement document</u> (ACK) and if everything was ok, the Balance Responsible Schedule appears in the Documents list. If there was any problem, complete document is rejected and negative ACK or system message is provided to user. In this case user need to reenter/resubmit file once again.

Additionally prepared XML file can be sent by clicking on function. Once file is chosen, its uploaded (sent) to system operator automatically and system also immediately respond with the ACK message.

#### **Acknowledgement Documents**

The **Acknowledgement document** is used in conjunction with the transmission of all electronic documents defined in the ETSO process for technical or application acknowledgement. A document is checked by the system in two levels:

• It is first controlled at system level to detect **syntax errors** (XML parsing errors, file, processing errors, etc.);

• Next it's controlled at the application level to detect any **semantic errors** (invalid data, wrong process, etc.).

All Acknowledgment documents are available as other documents in Documents view, but while entering BRS system immediately responds with message and link to acknowledgement document as shown on picture below:



Document 20181003\_BRS\_EFT-SWI\_153700 (ver. 3) has been rejected. Please see the following acknowledgement document for more information. 👘 🗴

If there is a problem encountered at the first level then a technical acknowledgement may be sent to inform the originator of the problem. If errors are encountered at the second level or if the application can successfully process the information then an application acknowledgement may be sent to inform the originator of the situation. See <u>ESS Implementation Guide</u> and <u>EAD</u> <u>Implementation Guide</u> for more information about Acknowledgements documents.

With the Web Client all of Acknowledgement documents sent to particular party in question can be reviewed. On the **General tab** detailed information about original document, parties, date/time and acknowledgement reason (*A01 – Message fully accepted* or *A02 – Message fully rejected*) are displayed. **Time Series tab** can provide more information about rejected time series and the reasons of the rejections.

| Acknowledgement Document: 20181004_ACK_EFT-SWITZERL_00002                                            |                                                                   |     | Acknowledgement Document: 20181004_ACK_EFT | -SWITZERL_00002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| General Time Series (1)                                                                              |                                                                   |     | General Time Series (1)                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Document identification                                                                              |                                                                   | i i | Time Series Identification                 | Reasons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Time Interval Fram                                                                                   | Time Interval Thru                                                |     |                                            | Communicationy attributes missing<br>Quantity or required<br>County or required<br>Quantity or required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| A17 - Acknowledgement Document<br>Sender<br>EMS (10002–SERBIATSCB)                                   | * Receiver<br>* EFT-SWITZERLAND (12xEFT-SWITZERLIR)               |     |                                            | Quantity is required.  Image: A modulatory attributes missing Quantity is required.  Image: A Mandatory attributes missing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Sender Role<br>AD4 - System operator                                                                 | Receiver Role<br>* A08 - Balance responsible party                |     | 1500001                                    | Quantity is required.<br>Const. Mandatory attributes missing<br>Quantity is required.<br>Const. Mandatory attributes missing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| Americano Lacument Iominiation<br>20181004,BIS_12XEFT120926<br>Referenced Document Type              | 1<br>Referenced Document Version                                  |     |                                            | Quantity is required.<br>2003 - Mandatory attributes missing<br>Quantity is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| A01 - Balance responsible schedule<br>Created<br>10, 10, 2018 13:16                                  | ✓ (1) 03, 10, 2018 13:16     Processed     (1) 03, 10, 2018 13:16 |     |                                            | Court Mandatory attributes missing<br>Quently is required<br>Court of the second seco |  |
| Reasons<br>[623] - Message fully rejected<br>Message fully rejected                                  |                                                                   |     |                                            | Con - Mandatory attributes missing<br>Quanty is required.<br>Common - Mandatory attributes missing<br>Quanty - required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
| Message contains errors at the time series level<br>Message contains errors at the time series level |                                                                   |     |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |

#### **Anomaly Reports**

An **Anomaly report** contains the time series that have been identified as being in error (mismatched) for the party in question. It is generated as soon as the system operator has all the necessary information in his possession.

Time series found to be in error need to be resent via the retransmission of the applicable schedule message (with a new message version) containing the corrected time series (with the version number of the retransmit message) by provider or provider counter party. The retransmitted

schedule message will also include all the non-erroneous time series that were sent with the message. These should maintain the version number of their last clean transmission. See <u>ESS</u> <u>Implementation Guide</u> for more information about Anomaly reports.

With the Web Client all of anomaly reports sent to a particular interconnection trade responsible (ITR)/Balance Responsible Party (BRP) can be reviewed. On the **General tab** sender, receiver and date/time information are available. **Time series tab** provides detailed information about time series in error.

| Anomaly Report: 20181003_BRS-ANO_EFT-SWITZERL_00003            |                                                |   | Anomaly Report: 2018100                         | 3_BRS-ANO_EFT-SV               | ITZERL_00003                                                          |   |                                                  |   |
|----------------------------------------------------------------|------------------------------------------------|---|-------------------------------------------------|--------------------------------|-----------------------------------------------------------------------|---|--------------------------------------------------|---|
| General Time Series (1)                                        |                                                |   | General Time Serie                              | rs (1)                         |                                                                       |   |                                                  |   |
| Document Identification<br>20181003_BRS-ANO_EFT-SWITZERL_00003 | Document Version                               |   | ± Ar                                            | dd                             | General Intervals                                                     |   |                                                  |   |
| Time Interval From O3. 10. 2018                                | Time Interval Thru<br>03.10.2018               |   | Business Type<br>A24 - Total trade<br>Out Party |                                | EFT-SWITZERLAND (12XEFT-SWITZERLR) Referenced Document Identification | Ŧ | Referenced Document Viewico                      |   |
| Document Type<br>A16 - Anomaly Report                          | Process Type                                   | * | EFT-SWITZERAND<br>Out Area<br>#S                | UT-SWITZURAND<br>In Area<br>KS | POSITION<br>Identification                                            |   | 1<br>Version                                     |   |
| Sender<br>EMS (100CS-SERBIATSOB)                               | Receiver<br>EFT-SWITZERLAND (12XEFT-SWITZERLR) | v |                                                 |                                | POSITION<br>Business Type                                             |   | 1<br>Product                                     |   |
| Sender Role<br>A04 - System operator                           | Receiver Role<br>AD1 - Trade responsible party | ÷ |                                                 |                                | A24 - Total trade<br>Out Area                                         | Ŧ | 8716867000016 - Active power<br>In Area          | Ŧ |
| Domain<br>RS (10YCS-SERBIATSOV)                                | Classification                                 | ÷ |                                                 |                                | RS (10YCS-SERBIATSOV)<br>Out Party                                    | Ŧ | RS (10YCS-SERBIATSOV)<br>In Party                | Ŧ |
| Created 02. 10. 2018 12:00                                     | Processed 02. 10. 2018 12:00                   |   |                                                 |                                | EFT-SWITZERLAND (12XEFT-SWITZERLR)<br>Object Aggregation              | ٣ | EFT-SWITZERLAND (12XEFT-SWITZERLR)<br>Resolution | v |
|                                                                |                                                |   |                                                 |                                | AD3 - Party<br>Measurement Unit                                       | ¥ | 15 min                                           | v |
|                                                                |                                                |   |                                                 |                                | MAW - megawatt<br>Reasons                                             | Ť |                                                  |   |
|                                                                |                                                |   |                                                 |                                | Ginbal position not in balance                                        |   |                                                  |   |
|                                                                |                                                |   |                                                 |                                |                                                                       |   |                                                  |   |

#### **Confirmation Reports**

The **Confirmation report** contains all the time series that have been sent in the schedule document. It may include one or several time series that the system operator has imposed on the market participant in compliance with market rules. Balance Responsible Schedule can either be globally confirmed, or in the case of discrepancies, you will be informed of what aspects of your time series have been accepted. System generates intermediate confirmation reports and final confirmation report (last after cutoff time). See <u>ESS Implementation Guide</u> for more information about Confirmation reports.

On the main **Documents** view first Confirmation Reason Code (A06 - Schedule accepted, A07 - Schedule partially accepted or A08 - Schedule rejected) is available.

| / Documents              |                                                                                                                              |                                                                                                                                                               |                    |                                                                                                                                                      |                     |                    |                                                                                                                                                                                                                                                        |                    |                                                                                                                                                                                                         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| Interval From            |                                                                                                                              |                                                                                                                                                               |                    |                                                                                                                                                      |                     |                    |                                                                                                                                                                                                                                                        |                    | Time Interval 1                                                                                                                                                                                         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| 09. 10. 2018             |                                                                                                                              |                                                                                                                                                               |                    |                                                                                                                                                      |                     |                    |                                                                                                                                                                                                                                                        |                    | 16.10                                                                                                                                                                                                   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| A08 - Final confirmation | on report                                                                                                                    |                                                                                                                                                               |                    |                                                                                                                                                      |                     |                    |                                                                                                                                                                                                                                                        |                    |                                                                                                                                                                                                         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| Document Identifie       | ation                                                                                                                        | Processes                                                                                                                                                     | 44                 | Document Type                                                                                                                                        | Ŧ                   | Time Interval      | Ŧ                                                                                                                                                                                                                                                      | Sender             | Ŧ                                                                                                                                                                                                                                               | Receiver                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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                                                                                                                                                                                | Acknowledgement     | Confirmation | Anomaly                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |
| v 20181010_BRS-CN        | F_STATKRAFT-DE_0000:                                                                                                         | 09.10.20                                                                                                                                                      | 18 14:49           | 🚾 - Final confirmation repo                                                                                                                          | ort                 | 10.10.2018         |                                                                                                                                                                                                                                                        | EMS (10XCS-        | SERBIATSO8)                                                                                                                                                                                                                                     | STATKRAFT-DE1 (11XSTATKRAFT0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 01N)                | A17 - Schedule o    | lay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     | A06          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ÷      |
|                          | / Documents Create Lupic Interval From 09. 10. 2018 iment Types A08. Final confirmatio Document Identififi V 20181010_BRS-CN | / Documents Create  LUpload Interval From  0 10.2018 ment Types A38 - Fruit confirmation report  Document Identification  2018J010_BRS-CNF_STATKRAFT-DE_00001 | / Documents Create | / Documents Create  Upload Interval From  0 10.2018 meent Types A38 - Final confination report  Document Identification  Processed  0 0.10.2018 1449 | / Documents  Create | / Documents Create | / Documents  Create ▲ Upload  Interval From  9. 10. 2018  ment Types  A38 - Free confirmation report  Document Identification  ▼ Processed 4 ▼ Document Type ▼ Time Interval  10. 10. 2018  10. 2018 1449  ■ - Final confirmation report  10. 10. 2018 | / Documents Create | / Documents  Create ▲ Upload  Interval From  9. 10. 2018  ment Types  A38 - Free confirmation report  Document Identification  Processed ↓ ▼ Document Type ▼ Time Interval ▼ Sender  Sender  Document Type ▼ Time Interval ▼ Sender  EMS (10XC5 | / Documents  Create 1 Upload  Interval From  9. 10. 2018  Comment Types  A38 - Final confirmation report  Document Type Time Interval T  Processed 4 T  Document Type T  Example 1 Document Type 1 Document Type T  Example 1 Document Type 1 Document T | / Documents  Create | / Documents  Create | / Documents  Create ▲Upload  Interval From  6. 10. 2018  Time Interval Thru  6. 10. 2018  Time Interval Thru  7 Service  7 Processed ↓ ▼ Document Type ▼ Time Interval ▼ Service  7 Processed ↓ ▼ Document Type ▼ Time Interval ▼ Service  7 Service  7 Processed ↓ ▼ Document Type ▼ Time Interval ▼ Service  7 Processed ↓ ▼ Document Type ▼ Time Interval ▼ Service  7 Service 7 Service 7 Service 7 Service 7 Service 7 Service 7 Service 7 Service 7 Service | / Documents  Create | / Documents  | 2 Upload               Time Interval True               Interval True               16. 10. 2018               16. 10. 2018               16. 10. 2018               16. 10. 2018               16. 10. 2018               16. 10. 2018               16. 10. 2018               16. 10. 2018               16. 10. 2018               Continuation report               Continuation               Continuation               Continuation               Continuation               Continuation               Continmation               Continma |        |

Next on the **General tab** Of Confirmation Report information about Document Type (Intermediate or Final Confirmation Report), Sender, Receiver, Referenced Document Identification, Referenced Document Version, Referenced Document Type and processed date/time are displayed.

| Final confirmation report: 20181003_BRS-CNF_EFT-SWITZERL_0000                                                                                                                                         | 02 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | Final confirmation report:                                                                                                                | 20181003_BRS-CNF_EF                                                                 | T-SWITZERL_00002                                                                                                                          |   |                                                                                                                                                                                                             |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| General Time Series (2)                                                                                                                                                                               |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   | General Time Series                                                                                                                       |                                                                                     |                                                                                                                                           |   |                                                                                                                                                                                                             |   |
| Document Identification<br>2019/000 JURC-04 37 19/01/2014, JURC 04<br>Time Metrod from<br>10 10 32 2019<br>0 Concernent Type<br>ADI: Final confirmation report<br>Sender<br>But (1002:5-28/88/83/200) | ×  | Occurrent Version         0           Image: Imag |   | + A<br>TS00001<br>Business Type<br>A03 - Common Trade regit<br>Out Party<br>ET - SWITZ/BLAND<br>Out Area<br>ES<br>CCT<br>- Ridel Transfer | Add<br>interpretay<br>in Perty<br>277, GLORA<br>In Area<br>25<br>CAL<br>resolutions | General Intervals<br>Memification<br>150000<br>Buciness Type<br>A00 : External trade explicit capacity<br>Out Avas<br>B(119/CS-SERBATSOV) | ¥ | Version<br>1<br>Product<br>8716667000016 - Active power<br>In Area<br>BG (1970CA-8ULGARIA-R)                                                                                                                | * |
| Sender Role<br>Alet - System operator<br>Referenced Document Methikation<br>2011/1003_015[77:00er,1537300<br>Referenced Document Type<br>Adr - Balance assemblie schedule                             | *  | Receiver Role A08 - Balance responsible pany Referenced Document Version 2 Referenced Document Date/Time 1 2 Referenced Document Date/Time 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | * | TS00002<br>Business Type<br>A03 - Determol trade expl<br>Out Perty<br>BIT-SWITZERLAND<br>Out Area<br>85                                   | int capacity<br>In Party<br>EFT_GLOBAL<br>BG                                        | Out Pany<br>EFT-SWITZERLAND (12XEFT-SWITZERLR)<br>Capacity Contract Type<br>Alia main<br>Chipet Aggregation<br>AdH -Aggregation           | v | In Party<br>EFT_GLOBAL (28/KEFT-S000000L)<br>Capacity Agreement Identification<br>Pitter Mainteen and Pitter Addated Pitter Addated<br>Pitter Addated Pitter Addated Pitter Addated<br>Resolution<br>60 min | * |
| Domain<br>IIS (POCS-SIREADSON)<br>Oranne<br>Et al. 11a John Iona                                                                                                                                      | ٣  | Classification<br>Processed<br>© 02.10.2018 10:13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | × | 607<br>1940 (194)                                                                                                                         | CA<br>1750-003003-<br>-003-07-0030-<br>2003                                         | Measurement Unit<br>MMV - megawatt                                                                                                        | ¥ |                                                                                                                                                                                                             |   |
|                                                                                                                                                                                                       |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |                                                                                                                                           |                                                                                     |                                                                                                                                           |   |                                                                                                                                                                                                             |   |

**Time series tab** provides detailed information about confirmed series and decreased or increased quantities in case of mismatches on Interval tab. Each time series with any kind of mismatched or modifications is clearly marked with corresponding Reason Codes on General tab, as on example below:

| General Intervals                                                  |    |                                   |   |
|--------------------------------------------------------------------|----|-----------------------------------|---|
| Identification                                                     |    | Version                           |   |
| TS00007                                                            |    | 1                                 |   |
| Business Type                                                      |    | Product                           |   |
| A03 - External trade explicit capacity                             | Ψ. | 8716867000016 - Active power      | v |
| Out Area                                                           |    | In Area                           |   |
| RS (10YCS-SERBIATSOV)                                              | ~  | BA (10YBA-JPCCD)                  | v |
| Out Party                                                          |    | In Party                          |   |
| GEN-I_RS (34XGENI-BEOGRADH)                                        | v  | GEN-I_BIH (36X-GEN-I-BIH7)        | v |
| Capacity Contract Type                                             |    | Capacity Agreement Identification |   |
| A04 - Yearly                                                       | *  | G_2017_36X-GEN-I-BIH7_RSBA        | v |
| Object Aggregation                                                 |    | Resolution                        |   |
| A04 - Agreement Identification                                     | Ψ. | 60 min                            | Ť |
| Measurement Unit                                                   |    |                                   |   |
| MAW - megawatt                                                     | ~  |                                   |   |
| Reasons                                                            |    |                                   |   |
| A27 - Cross border capacity exceeded<br>A63 - Time Series modified |    |                                   |   |
|                                                                    |    |                                   |   |

## **Transmission Rights Portfolio**

Transmission Rights Portfolio (TRP) option provides **Rights document** with document type **A22**: **Transmission Rights Portfolio**, business type **A34**: **Capacity rights** and it informs Capacity trader about the allocated capacity rights. The document is created upon user request, and user can request new document with **Request New** button. If there is already TRP created for the day in the question, a new version of already existed document will be created.

The document contains a complete portfolio of transmission capacity rights, whether allocated by EMS or by any other capacity allocator (if rights documents have been transmitted to EMS).

| ransmission rights portfolio: 20181003_TRP_EFT-SWI_4Z3CO7LV    | DQKJUG                                                     |                | Transmission rights portfolio: 20181003_TRP_E                   | FT-SWI_4Z3C07LVDQKJUG                                                          |                                                                    |       |
|----------------------------------------------------------------|------------------------------------------------------------|----------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------|-------|
| General Time Series (                                          |                                                            |                | General Time Series (1)                                         |                                                                                |                                                                    |       |
| Document Identification<br>20181003_TRP_EFT-SWI_4Z3C07UVDQK/UG | Document Version                                           |                | + Add                                                           | General Intervals                                                              |                                                                    |       |
| Time Interval From 03. 10. 2018                                | Time Interval Thru  03. 10. 2018                           |                | TS00001<br>Business Type<br>A34 - Capacity rights               | Identification<br>TS00001                                                      | Version                                                            |       |
| Document Type<br>A22 - Transmission rights portfolio           | Process Type<br>*                                          | ٣              | Out Area In Area<br>BA RS<br>Rights Huilder<br>1977-SWITZERLAND | Business Type<br>A34 - Capacity rights                                         | Product<br>*                                                       | ÷     |
| Sender<br>EMS (10XCS-SERBIATSOB)                               | Pecelver                                                   | *              | CCT CA<br>ann marg HL (HHL HHL 1997)<br>GHC (HHL ) HHL          | Out Area<br>BA (10/BA-JPCCD)                                                   | <ul> <li>RS (10HCS-SERBIATSOV)</li> </ul>                          | Ŧ     |
| Sender Role<br>A07 - Transmission capadity allocator<br>Domain | receiter Note<br>✓ A29 - Capacity Trader<br>Classification | *              | TS00002<br>Business Type<br>A34 - Carpocity rights              | Rights Holder                                                                  | *                                                                  | ٣     |
| RS (10YCS-SERBATSCH)<br>Created<br>0.1.10.2018 11:46           | ₩<br>Processed                                             | v              | RS GA<br>Rights Holder<br>BT-SWITZBILAND<br>CCT CAI             | EFT-SWITZERLAND (12XEFT-SWITZERLR)<br>Capacity Contract Type<br>Addit - Heady: | Capacity Agreement Identification     KELBARELAND.TURNT_THEFT.DDT1 | ¥     |
|                                                                |                                                            |                | Minimum Action on Color-<br>Contained, Draw                     | Object Aggregation                                                             | Resolution<br>+ 60 min                                             | v     |
|                                                                |                                                            |                | Business Type<br>A34 - Capacity rights<br>Out Area In Area      | Measurement Unit<br>M/W - megawatt                                             | *                                                                  |       |
|                                                                |                                                            | <b>X</b> Close |                                                                 |                                                                                |                                                                    | X Clo |

**Please Note**: Each Market Participant (Party) can receive (or view in drop box while manually entering Balance Responsible Schedules) only their own allocated capacity rights (CCTs+CAIs). Capacities owned from cross-border counter party are not displayed and need to be provided from counter party (and entered manually while entering Balance Responsible Schedules via Web Client).

It is possible to send **Status Request** document also as XML document via email or upload it. See <u>ETSO Status Request Implementation Guide</u> for more information about Status Request documents.

# **User Profile**

On User Profile page, users can review information about their profile (username, associated party etc.). Last password change time, password expiration time and change password options are also available.

| User Profile                       |  |  |
|------------------------------------|--|--|
| Username                           |  |  |
| EFT_T                              |  |  |
| Display Name                       |  |  |
| EFT_Test                           |  |  |
| User Party Display Name            |  |  |
| EFT-SWITZERLAND (12XEFT-SWITZERLR) |  |  |
| Password Last Changed              |  |  |
| 03. 10. 2018 11:46                 |  |  |
| Password Expires                   |  |  |
| 01. 01. 2019 10:46                 |  |  |
|                                    |  |  |
| Change Password                    |  |  |

# Remarks

Access to Scheduling Web Client is only allowed to Balance Responsible Parties (BRPs) according to national Grid Code and Market Code. Market roles used is the Manual are in case of EMS included in role of BRP.