



## **Online Service Improvements**

Customer Committee 1/2017

2017-06-21 Hilton Airport Hotel, Vantaa

## Online Service Improvements

- eSett has received a lot of improvement requests for the Online Service (ONLS) from the market participants
- eSett has prioritised the requests internally and for this prioritisation is influenced if improvement request is has been received from several participants
- In the following slides are presented the improvements eSett has proposed to start with at first
- eSett has introduced the requests to the system supplier but no time schedules for delivery has been agreed yet

## Paging Functionality

02.01.2017 00:00	Undefined	Fingrid Oyj	Fingrid Oyj
02.01.2017 00:00	Undefined	Fingrid Oyj	Fingrid Oyj
16.03.2017 00:00	Undefined	Fingrid Oyj	Fingrid Oyj
02.01.2017 00:00	Undefined	Fingrid Oyj	Fingrid Oyj
02.01.2017 00:00	Undefined	Fingrid Oyj	Fingrid Oyj
02.01.2017 00:00	Undefined	Fingrid Oyj	Fingrid Oyj
02.01.2017 00:00	Undefined	Fingrid Oyj	Fingrid Oyj
02.01.2017 00:00	Undefined	Fingrid Oyj	Fingrid Oyj
02.01.2017 00:00	Undefined	Fingrid Oyj	Fingrid Oyj
02.01.2017 00:00	Undefined	Fingrid Oyj	Fingrid Oyj
10.03.2017 00:00	Undefined	Fingrid Oyj	Fingrid Oyj

< III >

Total pages: 16 (775 rows)

⏮ ⏪

16

⏩ ⏭

- Several market participants have complained about the paging functionality in the ONLS
- Aim is to remove the paging from the system

## Fixed Columns

Production Unit ↑	RE	DSO	MGA	Type	Production Type	Regulation Object
Forssa va...	Fingrid Oyj	Fingrid Oyj	Forssan ...	Other	Normal	FI_FG_P...
Forssa va...	Fingrid Oyj	Fingrid Oyj	Forssan ...	Other	Normal	FI_FG_P...
Huutokos...	Fingrid Oyj	Fingrid Oyj	Huutokos...	Other	Normal	FI_FG_P...
Kellosaari	Fingrid Oyj	Helen Oy	Kellosaar...	Other	Normal	FI_FG_P...
Kilpilahti v...	Fingrid Oyj	Fingrid Oyj	Neste Por...	Other	Normal	FI_FG_P...
Kristiina v...	Fingrid Oyj	Fingrid Oyj	Kristiina KT	Other	Normal	FI_FG_P...
Loviisa di...	Fingrid Oyj	Fortum P...	Loviisan ...	Thermal ...	Normal	FI_FG_P...
Loviisan KT	Fingrid Oyj	Fingrid Oyj	Loviisan KT	Other	Normal	FI_FG_P...
Mertanie...	Fingrid Oyj	Lappeenr...	Mertanie...	Thermal ...	Normal	FI_FG_P...
Naantali v...	Fingrid Oyj	Fingrid Oyj	Naantalin...	Other	Normal	FI_FG_P...
Olkiluoto ...	Fingrid Oyj	Fingrid Oyj	Olkiluoto ...	Other	Normal	FI_FG_P...
Tahkoluot...	Fingrid Oyj	Fingrid Oyj	Tahkoluot...	Other	Normal	FI_FG_P...
Tolkkinen ...	Fingrid Oyj	Fingrid Oyj	Tolkkinen...	Other	Normal	FI_FG_P...
Vanaja va...	Fingrid Oyj	Fingrid Oyj	Vanaja KT	Other	Normal	FI_FG_P...
Vaskiluot...	Fingrid Oyj	Fingrid Oyj	Vaskiluod...	Other	Normal	FI_FG_P...
Virtuaalin...	Fingrid Oyj	Elenia Oy	Elenia Oy...	Other	Minor	FI_FG_P...

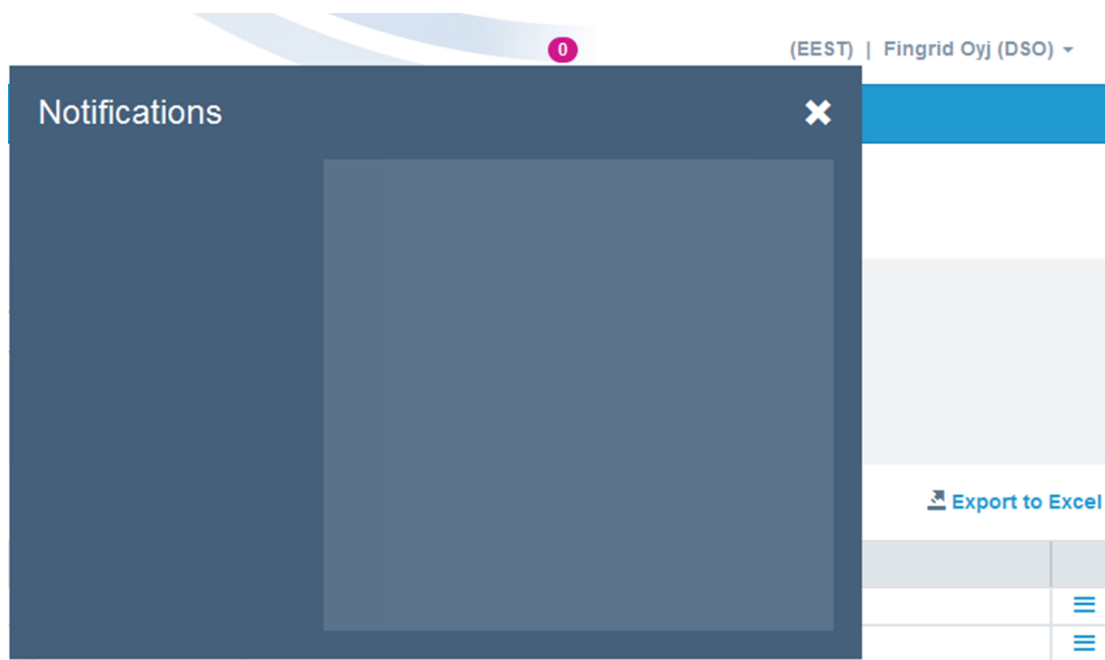
- Fixed column width to be removed from the ONLS.
- There are many views in the ONLS where it's not possible to read all text in the columns.

## Missing Free Text (description) Field on MECs

MEC ID↑	Own RE	MBA	Counter RE	Counter BRP	Agreement ID	Status	
BIT4825	Fi...	FI	R...	R...	2	Received ...	≡
BIT4826	Fi...	FI	R...	R...	3	Received ...	≡
<div>⏮ ⏪ 1 ⏩ ⏭</div>							

- Free text field on market entity connections (MEC) is missing in the Online Service
- These are needed for MECs that market participants are able to separate them and to be sure that market participants and their counterpart interpret the MECs the same way.
- For instance when there are two BITs with the same counterparts they are used to write a description of what the MECs represent.
- Currently there's the agreement-ID, but it requires market participants to agree with their counterpart and to keep track of what is what somewhere else.

## Alarm When New Market Participants Are Added



- Alarm / notification in the Online Service when new market participants have been created to the system. E.g. in case of new retailer, all DSOs are able to take those into account with their structures.

## Add field "Customer's reference" to invoices

### INVOICE

#### DEBIT POSITION

1/2

---

Notice date:	12.06.2017
Notice number:	20000
Customer number:	BS0000
Terms of payment:	2 days nett
Due date:	14.06.2017
Invoice settlement:	Direct debited by eSett Oy
Total sum:	
Payment id:	
Interest on arrears:	7,50%
Contract id:	
Our reference:	Paula Berg
<b>Your reference:</b>	

- For the invoices the own customer reference column. Proposal: There will be a possibility to add customer's reference to the invoices.

## Easier Way to Manage Retailer Balance Responsibilities (RBR) for a BRP When New MGA is Added

In MGA 'Naantalin KT' for RE 'Fingrid Oyj' for 'Consumption' that already exists in period '02.01.2017 00:00 - Undefined'. Please modify your request to prevent creation of existing RBR. You can use Terminate functionality for shortening the validity period. Other operations can be executed by BackOffice operator only.

You are trying to create Retailer Balance Responsibility (RBR) of BRP 'Fingrid Oyj' in MGA 'Naantalin KT' for RE 'Fingrid Oyj' for 'Consumption' that already exists in period '02.01.2017 00:00 - Undefined'. Please modify your request to prevent creation of existing RBR. You can use Terminate functionality for shortening the validity period. Other operations can be executed by BackOffice operator only.

You are trying to create Retailer Balance Responsibility (RBR) of BRP 'Fingrid Oyj' in MGA 'Naantalin KT' for RE 'Fingrid Oyj' for 'Consumption' that already exists in period '02.01.2017 00:00 - Undefined'. Please modify your request to prevent creation of existing RBR. You can use Terminate functionality for shortening the validity period. Other operations can be executed by BackOffice operator only.

- Currently it is very difficult to maintain the RBRs if there are already existing relations (see picture on the left)
- In this case system does not allow to update the RBRs for the whole country at once when new MGA(s) should be added – instead specific MGA(s) must be selected
- The functionality will be improved in a way that BRP can always select all MGAs and already existing relations will be ignored instead of providing error messages and blocking the process



## New filtering Option in the Message Overview

Messages > View Messages

### Messages Overview [Insert Message File](#)

Message ID	Message Type	Status
<input type="text"/>	<input type="text"/>	<input type="text"/>
Created ⓘ	Direction ⓘ	Source
<input type="text" value="09.06.2017"/> <input type="text" value="16.06.2017"/>	<input checked="" type="radio"/> All <input type="radio"/> Inbound <input type="radio"/> Outbound	<input checked="" type="radio"/> All <input type="radio"/> Online Service <input type="radio"/> System of Market party
<input type="button" value="Filter"/>		<input type="button" value="Clear"/>

- In the ONLS under "MESSAGES" one cannot filter on the field "ACK Status"
- Adding this filtering criteria would optimize the market participants work as they will be able to quickly look at rejected messages

## Retailer for MGA Imbalance

Structures > MGA Imbalance Retailers

### MGA Imbalance Retailers New MGA Imbalance Retailer

Validity: 13.06.2017 - Undefined

MGA: RE: BRP:

Change Validity MGA Imbalance Retailer

MGA \*

Naantalin KT

RE \*

Fingrid Oyj

Validity

02.01.2017 - Undefined

01.01.2017 23:00 - Undefined CET

Valid From is after Gate Closure and cannot be modified.

Save

Cancel

Export to Excel

View Columns

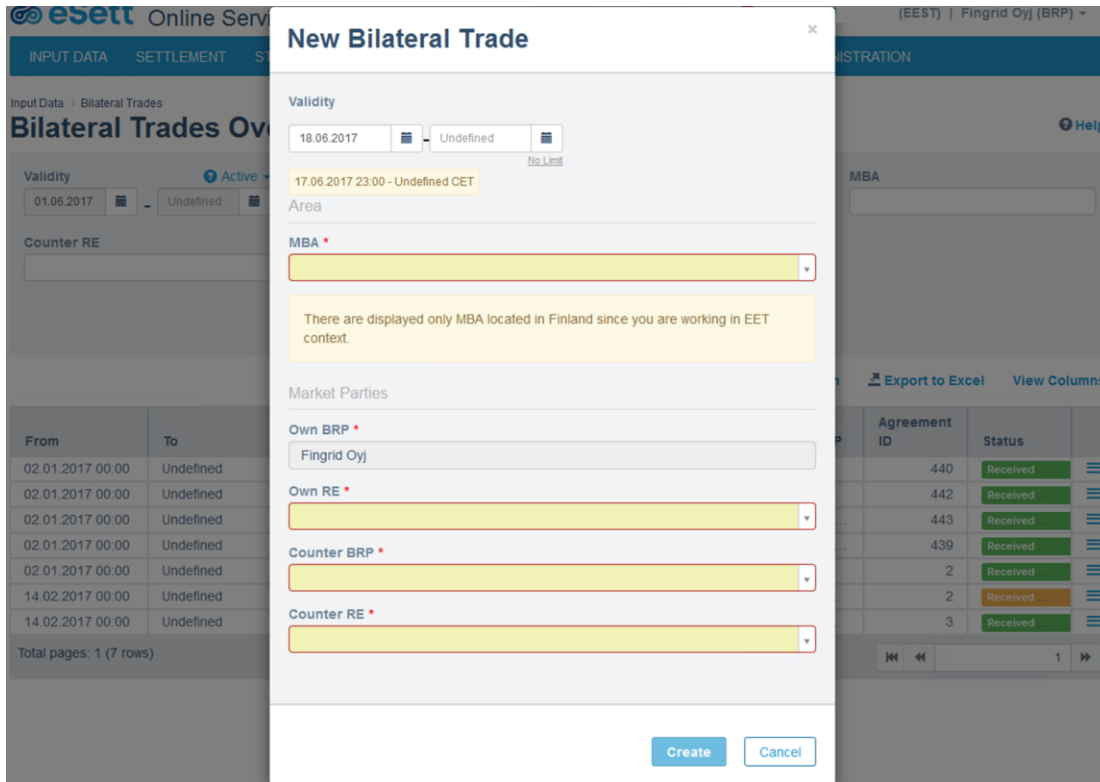
Change Validity

From	To	MGA
01.03.2017 00:00	Undefined	Virg
02.01.2017 00:00	Undefined	Huu
02.01.2017 00:00	Undefined	Naa
02.01.2017 00:00	Undefined	Nes
02.01.2017 00:00	Undefined	Kris
02.01.2017 00:00	Undefined	Kan
02.01.2017 00:00	Undefined	Ven
02.01.2017 00:00	Undefined	Vas
02.01.2017 00:00	Undefined	Van
02.01.2017 00:00	Undefined	Tah
02.01.2017 00:00	Undefined	Toi
02.01.2017 00:00	Undefined	Oikoto KT
02.01.2017 00:00	Undefined	Forssan varavoimailaitos
02.01.2017 00:00	Undefined	Loviisan KT

Total pages: 1 (14 rows)

- External market participants (DSO) should not be able to end RE for MGA imbalance relation if they do not assign a new RE from the same time the old relation ended.
- The objective is to prevent the introduction of gaps created by DSO – MGA should always have MGA imbalance retailer assigned

## Bilateral Trade Approvals



**New Bilateral Trade**

Validity: 18.06.2017, Undefined, No Limit

Area: 17.06.2017 23:00 - Undefined CET

MBA \*

There are displayed only MBA located in Finland since you are working in EET context.

Market Parties

Own BRP \*  
Fingrid Oyj

Own RE \*

Counter BRP \*

Counter RE \*

Create Cancel

From	To
02.01.2017 00:00	Undefined
02.01.2017 00:00	Undefined
02.01.2017 00:00	Undefined
02.01.2017 00:00	Undefined
02.01.2017 00:00	Undefined
14.02.2017 00:00	Undefined
14.02.2017 00:00	Undefined

Total pages: 1 (7 rows)

Agreement ID	Status
440	Received
442	Received
443	Received
439	Received
2	Received
2	Received
3	Received

- When one BRP will create a new RE level bilateral trade (BIT) via Online Service then counterparty RE's BRP must approve respective BIT before it becomes to valid to in the system

## Status of Reporting Functionality

### View Reporting Statistics

Delivery Period		Settlement Calculation	
31.05.2017	13.06.2017	<input checked="" type="radio"/> All	<input type="radio"/> Preliminary <input type="radio"/> Final
		<input type="button" value="Filter"/>	<input type="button" value="Clear"/>

MEC Type	BIT		PXT		PP		MGT		CONS
Delivery Day	Preliminary	Final	Preliminary	Final	Preliminary	Final	Preliminary	Final	Preliminary
31.05.2017	100,00 %	100,00 % <a href="#">Detail</a>	50,00 %	50,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	90,72
01.06.2017	100,00 %	100,00 % <a href="#">Detail</a>	50,00 %	50,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	88,45
02.06.2017	100,00 %	100,00 % <a href="#">Detail</a>	100,00 %	100,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	86,27
03.06.2017	100,00 %	100,00 % <a href="#">Detail</a>	50,00 %	50,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	86,27
04.06.2017	100,00 %	100,00 % <a href="#">Detail</a>	50,00 %	50,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	90,63
05.06.2017	100,00 %	100,00 % <a href="#">Detail</a>	100,00 %	100,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	90,63
06.06.2017	100,00 %	100,00 % <a href="#">Detail</a>	100,00 %	100,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	90,72
07.06.2017	100,00 %	100,00 % <a href="#">Detail</a>	100,00 %	100,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	90,63
08.06.2017	100,00 %	100,00 % <a href="#">Detail</a>	100,00 %	100,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	90,63
09.06.2017	100,00 %	100,00 % <a href="#">Detail</a>	100,00 %	100,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	86,27
10.06.2017	100,00 %	100,00 % <a href="#">Detail</a>	100,00 %	100,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	86,36
11.06.2017	100,00 %	100,00 % <a href="#">Detail</a>	50,00 %	50,00 % <a href="#">Detail</a>	83,33 %	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	90,63
12.06.2017	100,00 % <a href="#">Detail</a>	100,00 % <a href="#">Detail</a>	100,00 % <a href="#">Detail</a>	100,00 % <a href="#">Detail</a>	83,33 % <a href="#">Detail</a>	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	86,27 % <a href="#">Det</a>
13.06.2017	100,00 % <a href="#">Detail</a>	100,00 % <a href="#">Detail</a>	100,00 % <a href="#">Detail</a>	100,00 % <a href="#">Detail</a>	83,33 % <a href="#">Detail</a>	83,33 % <a href="#">Detail</a>	<a href="#">Detail</a>	<a href="#">Detail</a>	29,36 % <a href="#">Det</a>

- Possibility to export the reporting statistics to excel with all the details, so it's easy to get an overview over the DSO you have to contact in order to get them to send the missing data

## MGA Imbalance View Drill Downs

Settlement > MGA Imbalance

### MGA Imbalance [Help](#)

MGA  
Kantaverkko

Overview **Time Series**

Time Aggregation: Hour  
Period: 29.05.2017 - 04.06.2017

Imbalance Overview [Refresh](#) [Export to Excel](#) [View Columns](#)

Period	Consumption	Production	MGA Exchanges	Imbalance Surplus	Imbalance Deficit
29.05.2017 00:00-01:00	-98,833000		98,833000	0,000000	0,000000
29.05.2017 01:00-02:00	-82,723000		82,723000	0,000000	0,000000
29.05.2017 02:00-03:00	-75,462000		75,462000	0,000000	0,000000
29.05.2017 03:00-04:00	-74,135000		74,135000	0,000000	0,000000
29.05.2017 04:00-05:00	-72,792000		72,792000	0,000000	0,000000
29.05.2017 05:00-06:00	-72,837000		72,837000	0,000000	0,000000
29.05.2017 06:00-07:00	-115,709000		115,709000	0,000000	0,000000
29.05.2017 07:00-08:00	-126,494000		126,494000	0,000000	0,000000
29.05.2017 08:00-09:00	-137,341000		137,341000	0,000000	0,000000
29.05.2017 09:00-10:00	-141,282000		141,282000	0,000000	0,000000
29.05.2017 10:00-11:00	-145,400000		145,400000	0,000000	0,000000

- Online Service DSO Settlement > MGA Imbalance > Overview. Possibility to drill down from Input aggregated MGA Exchanges to the single MGA Exchanges related to the respective MGA.



## Status Filter / Overview of Not Matching MGA exchanges

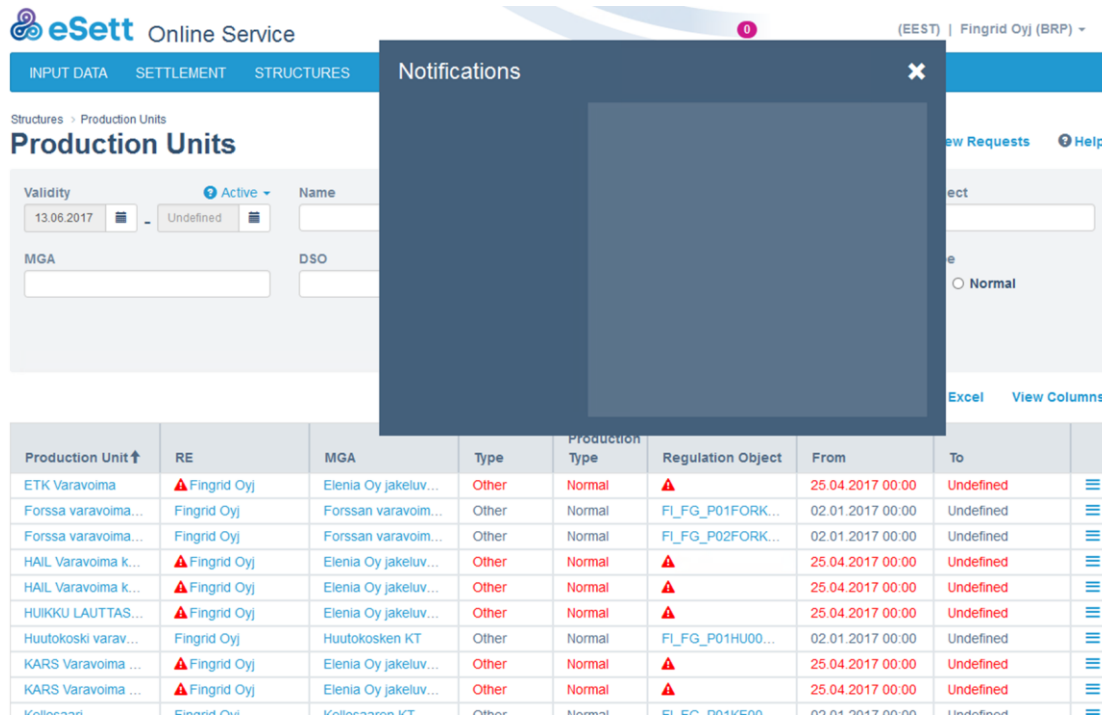
Detail Time Series BIT4825 Advanced Search

28.06.2017 - 30.06.2017 ☒ Display non-matching values Edit Refresh Export to Excel

Hourly Status	Date	Hour	Own Quantity [MWh]	Counter Quantity [MWh]	Matched Quantity	Matched Quantity Status
Load previous day						
Open	28.06.2017	00:00-01:00				Missing
15 d 4 h 50 m to 3rd GC	28.06.2017	01:00-02:00				Missing
	28.06.2017	02:00-03:00				Missing
	28.06.2017	03:00-04:00				Missing
	28.06.2017	04:00-05:00				Missing
	28.06.2017	05:00-06:00				Missing
	28.06.2017	06:00-07:00				Missing
	28.06.2017	07:00-08:00				Missing
	28.06.2017	08:00-09:00				Missing
	28.06.2017	09:00-10:00				Missing
	28.06.2017	10:00-11:00				Missing
	28.06.2017	11:00-12:00				Missing
	28.06.2017	12:00-13:00				Missing

- The customers do not have an overview of MGA exchanges with non-matching values in ONLS. They would like a filter similar to for BITs or an overview where these are listed.

## Warning / Notification When Production Unit is Without Regulation Object



The screenshot shows the eSett Online Service interface. A 'Notifications' dialog box is open, partially obscuring the 'Production Units' table. The table lists various production units with their respective regulation objects and dates.

Production Unit ↑	RE	MGA	Type	Production Type	Regulation Object	From	To
ETK Varavoima	▲ Fingrid Oyj	Elenia Oy jakeluv...	Other	Normal	▲	25.04.2017 00:00	Undefined
Forssa varavoima...	Fingrid Oyj	Forssan varavoim...	Other	Normal	FI_FG_P01FORK...	02.01.2017 00:00	Undefined
Forssa varavoima...	Fingrid Oyj	Forssan varavoim...	Other	Normal	FI_FG_P02FORK...	02.01.2017 00:00	Undefined
HAIL Varavoima k...	▲ Fingrid Oyj	Elenia Oy jakeluv...	Other	Normal	▲	25.04.2017 00:00	Undefined
HAIL Varavoima k...	▲ Fingrid Oyj	Elenia Oy jakeluv...	Other	Normal	▲	25.04.2017 00:00	Undefined
HUIKKU LAUTTAS...	▲ Fingrid Oyj	Elenia Oy jakeluv...	Other	Normal	▲	25.04.2017 00:00	Undefined
Huutokoski varav...	Fingrid Oyj	Huutokosken KT	Other	Normal	FI_FG_P01HU00...	02.01.2017 00:00	Undefined
KARS Varavoima ...	▲ Fingrid Oyj	Elenia Oy jakeluv...	Other	Normal	▲	25.04.2017 00:00	Undefined
KARS Varavoima ...	▲ Fingrid Oyj	Elenia Oy jakeluv...	Other	Normal	▲	25.04.2017 00:00	Undefined

- Notification to the BRP users when their Production Units do not have Regulation Object assigned to reduce the constant need to monitor the overview lists if some are missing



## Overview of all MGAs which have Imbalances

Settlement > MGA Imbalance

### MGA Imbalance Help

MGA

Kantaverkko

Forssan varavoimailaitos

Huutokosken KT

Naantalin KT

Neste Porvoo KT

Kristina KT

Kantaverkko

Loviisan KT

04.06.2017

[Refresh](#) [Export to Excel](#) [View Columns](#)

Period	Consumption	Production	MGA Exchanges	Imbalance Surplus	Imbalance Deficit
29.05.2017	-2 805,432000	0,000000	2 805,432000	0,000000	0,000000
30.05.2017	-2 901,350000	0,000000	2 901,350000	0,000000	0,000000
31.05.2017	-3 057,491000	0,000000	3 057,491000	0,000000	0,000000
01.06.2017	-3 356,676000	0,000000	3 356,676000	0,000000	0,000000
02.06.2017	-3 864,562000	0,000000	3 864,562000	0,000000	0,000000
03.06.2017	-3 061,881000	0,000000	3 061,881000	0,000000	0,000000
04.06.2017	-3 215,335000	0,000000	3 215,335000	0,000000	0,000000

[Load more...](#)

- MGA imbalance overview for DSOs to be able to detect easily all of their MGAs which have imbalances
- Currently they must verify each of them separately to see if imbalance exists



