

TTS User's Guide

**Tendering and Trading System
of Austrian Power Grid AG**



Version 1.0

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1 Access to TTS – Requirements

To access the Tendering and Trading System (TTS) of Austrian Power Grid AG, you need the following technical access resources:

- 1 username
- 1 token generator
- 1 initial token PIN (must be changed after first use)
- 1 initial password for TTS (must be changed after first use)

The username and initial password will be sent to you automatically after you have completed the registration in TTS. They will be sent to the email address that you specified.

The token and token PIN will be sent to you by letter.

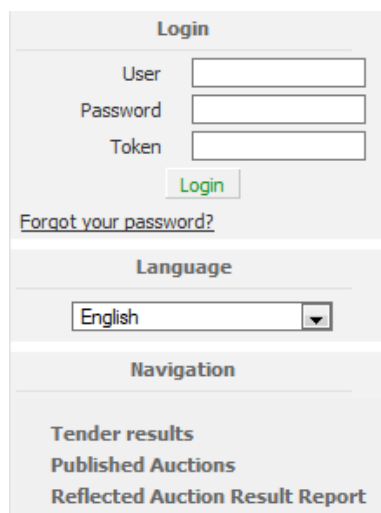
If you have not received any other access resources within 7 workdays after receiving the username and initial password, or if a technical access resource is missing, then please contact the APG Front Office (+43 (0)50320 – 56477; frontoffice.sdl@apg.at)

2 Registration and Login

You can reach the TTS of APG at <https://www.apg.at/emwebapgrem/startApp.do>

2.1 First Login

You must enter your username, initial password and a generated token code for the first login.



The screenshot shows the login interface for the TTS. It features a 'Login' section with three input fields for 'User', 'Password', and 'Token', followed by a green 'Login' button and a 'Forgot your password?' link. Below this is a 'Language' section with a dropdown menu set to 'English'. At the bottom is a 'Navigation' section with links for 'Tender results', 'Published Auctions', and 'Reflected Auction Result Report'.

Figure 1: Login

To generate the token code, you have to enter the initial token PIN that was given to you by APG in the token generator.


To do this, press the "OK" button on the token generator,  which will cause the display of the token generator to prompt you to enter a PIN.



Figure 2: Token generator

If the initial PIN is entered correctly, then the "NEW PIN" message appears on the display.

Now you can enter a **new, personal PIN (consisting of 4 numbers)**.

(For security reasons, a PIN code with sequential numbers such as 1111, 2345, 9876 and so on will not be accepted, and the token generator will show the message "ERROR" in the display.)

After entering the new PIN, press the "OK" button and enter the new PIN once again. Confirm this operation once again with "OK".

If the two PINs match, then the token generator shows the message "Complete".

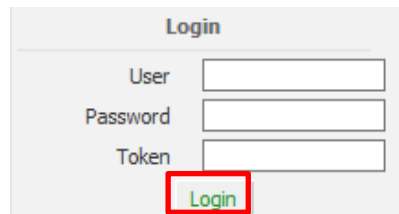
Then press "OK" once again, which will cause the token generator to display an 8-digit code, which has to be entered in TTS in the "Token" field.



Figure 3: Token code

Please note that this code is only valid for **30 seconds**. After that, you have to generate a new token code to login to TTS.

After you have entered the username, initial password and token code, confirm by clicking the **"Login"** button

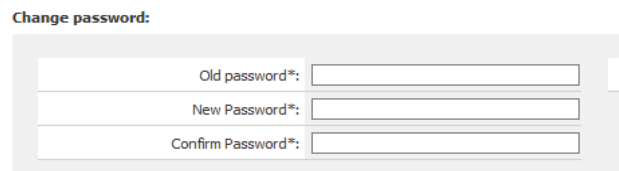


The image shows a login form titled "Login". It contains three input fields: "User", "Password", and "Token". Below these fields is a green "Login" button, which is highlighted with a red rectangular box.

Figure 4: Login fields

If it is your first login, then you will be prompted to change your password.

Change Password



The image shows a "Change password:" form. It contains three input fields: "Old password*", "New Password*", and "Confirm Password*".

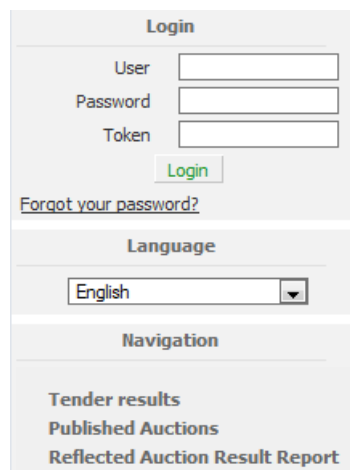
Figure 5: Change password

Thereupon enter your initial password in the **"Old password"** field. Please enter a separate password in the "New Password" field with at **least 10 characters** and which complies with three of the following criteria:

- capital letters
- small letters
- numbers
- special characters

2.2 Login

You must enter your username, your password and a generated token code to login.



The image shows the full login page. It includes the "Login" form with "User", "Password", and "Token" fields and a "Login" button. Below the form is a link for "Forgot your password?". There is also a "Language" dropdown menu set to "English". At the bottom, there is a "Navigation" menu with links for "Tender results", "Published Auctions", and "Reflected Auction Result Report".

Figure 6: Login

To generate the token code, you have to enter your token PIN in the token generator.


To do this, press the "OK" button on the token generator  which will cause the display of the token generator to prompt you to enter a PIN.



Figure 7: Token generator

Now enter your PIN and press "OK"

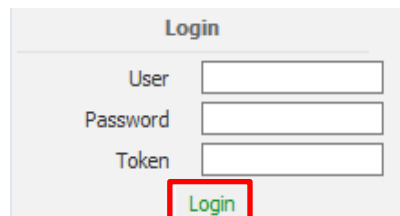
Then press "OK" once again, which will cause the token generator to display an 8-digit code, which has to be entered in **TTS in the "Token" field**.



Figure 8: Token code

Please note that this code is only valid for **30 seconds**. After that, you have to generate a new token code to login to the TTS.

After you have entered the username, password and token code, confirm by clicking the "**Login**" button



Login	
User	<input type="text"/>
Password	<input type="password"/>
Token	<input type="text"/>
<input type="button" value="Login"/>	

Figure 9: Login fields

This concludes the login process.

2.3 Login to TTS not Possible

If you are not able to login to TTS successfully despite trying several times, then please contact the **APG Front Office** (+43 (0)50320 – 56477; frontoffice.sdl@apg.at). The IT technical department of APG will then contact you and discuss how to proceed.

3 Changing Authentication Criteria

The following describes how to change the different authentication criteria.

3.1 Change TTS Password

3.1.1 Change password

If you are logged into the TTS of APG, then you can change your password at any time.

To do this, please click the "Change password" link (top left in the navigation area), which will take you to a new page.

Enter your old password there, your new password (twice) and a token code that you can generate with your token generator as described in section 2.2, and then click "**Save**". After this, your new password is saved in TTS.

Change Password

Change password:

Old password*:	<input type="text"/>
New Password*:	<input type="text"/>
Confirm Password*:	<input type="text"/>
Token*:	<input type="text"/>

Figure 10: Change Password

3.1.2 Forgot your password?

If you have access to your email address that is saved in TTS, and you can also use your token generator, then you can reset your password yourself if you have forgotten it.

To do this, you have to click the navigation item "**Forgot your password**" in TTS.

Login	
User	<input type="text"/>
Password	<input type="text"/>
Token	<input type="text"/>
	<input type="button" value="Login"/>
	<input type="button" value="Forgot your password?"/>
Language	

Figure 11: Forgot your password

This will take you to a new page where you can enter your user name and then click "**Request email**".

Forgot your password?

Please contact the APG Frontoffice (+43 (0) 50 320 56477; frontoffice.sdl@apg.at)

Forgot your password?:

Enter your username*:

Figure 12: Reset password – enter username

Forgot your password?

You will shortly receive an e-mail to your deposited e-mail address in the Tendering and Trading System of APG with further instructions for resetting your password.

Forgot your password?:

Figure 13: Reset password – email sent confirmation

Clicking "Request email" will cause **an email** to be sent to you at your **email address that is stored in TTS** with additional information regarding resetting the password.

Betreff: Password Link

Dear Mr. Sample!

You want to reset the password for your user account with the user name SAMPLEJ in the Tendering and Tradings System of APG. To do this, please visit the following address:
<https://tts-test.grid.inet/emwebapgremtest/startApp.do?linkToken=fal1b2f017f94b9881f0eacee3a9e9f4cbd35bca62b8805e387>

If the resetting of your password is not desired, you can ignore this email..

In case of further questions, please do not hesitate to contact us.

Kind regards
 Austrian Power Grid AG

Tel.: +43 (0) 50 320 56477
 mailto: frontoffice.sdl@apg.at

Figure 14: Reset password – email

Please follow the **link contained** in the email, which will take you to a new page in the TTS of APG. Please enter a token code, which you can generate as described in section **Fehler! Verweisquelle konnte nicht gefunden werden.**, and then click "**Next**".

Password new entry

In order to create a new password, please generate a new code with your token generator and then enter it. Then please click on "Next":

Token*:

Figure 15: Password new entry – token code

This will take you to a new page where you can define your new password. Once you have entered your new password and confirmed it once, then please click "**Save**".

Passwort neu setzen

Password new entry

↓ Please define a new password and then click "Save":

New Password*:	<input type="text"/>
Confirm Password*:	<input type="text"/>

Figure 16: Password new entry – new password

Afterwards, your new password has been saved and it is possible to login to the TTS of APG once again.

Please note that the password must contain **at least 10 characters** and must include three of the following four criteria:

- capital letters
- small letters
- numbers
- special characters

Please note that a **password that has already been used may not** be used again.

3.2 Changing the Token PIN

3.2.1 Change token PIN

If you want to change the token PIN of your token generator, the please proceed as follows:

- 1) Press the "**OK**" button to cause the "**ENTER PIN**" message to appear on the display.
- 2) Enter your **current PIN** and then press "**OK**".
- 3) Press the "**MENU**" button to cause the "**CHANGE PIN**" message to appear on the display.
- 4) Press the "**OK**" button to cause the "**NEW PIN**" message to appear on the display.
- 5) Now enter your **new PIN** (4 digits).
For security reasons, a PIN code with sequential numbers such as 1111, 2345, 9876 and so on will not be accepted, and the token generator will show "**ERROR**" in the display.
- 6) Press the "**OK**" button to cause the "**CONFIRM**" message to appear on the display.
- 7) Enter your **new PIN** (four digits) once again and then press "**OK**".
- 8) Afterwards, your **PIN** has changed. "**COMPLETE**" appears and the token generator switches itself off.

3.2.2 Forgot your token PIN?

If you have forgotten your token PIN, then you have to contact the **APG Front Office** (+43 (0)50320 – 56477; frontoffice.sdl@apg.at). The IT technical department of APG will then contact you and take the necessary steps together with you to set a new token PIN.

4 Changing Personal Data

4.1 Changing Master Data

If it is necessary to change your master data, then please fill in the employee change form for the tendering and trading system of APG and send it by email to frontoffice.sdl@apg.at or by fax (+43 (0)50320 – 156477) to APG and afterwards send it by regular mail to:

Austrian Power Grid AG
Market Management – Front Office
Wagramerstraße 19 – IZD Tower
1220 Vienna
Austria

Please note that only the new master data has to be entered on page 2 of the change form. Fields for data that doesn't have to change, remain empty.

4.2 Changing the TTS Role

If it is necessary to change your TTS role, then please fill in the employee change form for the tendering and trading system of APG and send it by email to frontoffice.sdl@apg.at or by fax (+43 (0)50320 – 156477) to APG and afterwards send it by regular mail to:

Austrian Power Grid AG
Market Management – Front Office
Wagramerstraße 19 – IZD Tower
1220 Vienna
Austria

Please note that both the current TTS role and also the new TTS role must be given in the change form.

4.3 Deleting Access to TTS

If it is necessary to delete access to the TTS of APG, then please fill in the employee change form for the tendering and trading system of APG and send it by email to frontoffice.sdl@apg.at or by fax (+43 (0)50320 – 156477) to APG and afterwards send it by regular mail to:

Austrian Power Grid AG
Market Management – Front Office
Wagramerstraße 19 – IZD Tower
1220 Vienna
Austria

Please note that in the case of deleting access, the respective token generator must also be sent to APG by mail.

5 Token Generator Defective / Lost


If your token generator is defective, or if you lost it, then please fill in the employee change form for the tendering and trading system of APG and send it by email to frontoffice.sdl@apg.at or by fax (+43 (0)50320 – 156477) to APG and afterwards send it by regular mail to:

Austrian Power Grid AG
Market Management – Front Office
Wagramerstraße 19 – IZD Tower
1220 Vienna
Austria

Please note that in the case of a defective token generator, it must also be sent to APG by mail.

When the change form and token generator (if it is defective) arrives, APG will send you a new token generator.

5.1 Token Generator - Battery Empty

If the battery of the token generator becomes empty, then a battery symbol will appear on the right side of the display of the token generator. 

If the battery symbol is shown, you can still use the token generator for a few days. However, the battery should be replaced fairly soon.

If the battery of the token generator is completely empty, then the "**CHANGE BAT**" message appears shortly after it is switched on. If this message appears, then the battery has to be replaced because no other functions will be available.

If you cannot replace the battery yourself, then please fill in the employee change form for the tendering and trading system of APG and send it by email to frontoffice.sdl@apg.at or by fax (+43 (0)50320 – 156477) to APG and afterwards send it by regular mail to:

Austrian Power Grid AG
Market Management – Front Office
Wagramerstraße 19 – IZD Tower
1220 Vienna
Austria

Please note that you must also send the token generator to APG by mail.

After receiving the signed form, APG will send you a new token generator.

6 Important Menu Functions in the TTS "Bidder" Role

After successfully logging into TTS, the following menu items including the respective sub-items will be available to you:

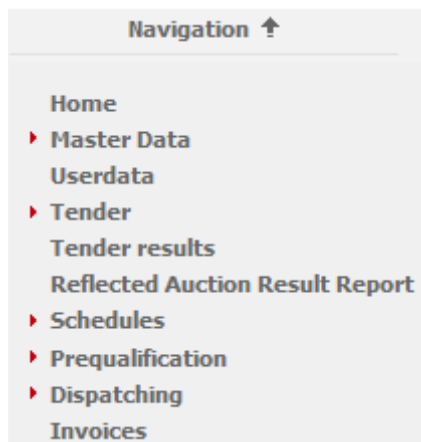


Figure 17: TTS menu items

6.1 Menu Item: Home

The "Home" menu item, will take you back to the standard screen in accordance with Figure 17.

Any news (announcements of tenders etc.) that is put in by APG is shown in this screen.

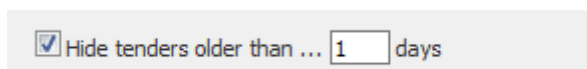
6.2 Menu Item: Tender

In the "Tender" menu item, you can reach the respective list of tenders via the PCP, SCP, TCP or LEP points.

Tenders will only be shown if you are accredited for the respective type of control energy or alternatively grid loss energy.

6.2.1 Filtering

The system has several filter functions that are intended to improve clarity.



The following filter is pre-set:

This means that all closed auctions that are older than 1 day will not be shown. If you want to see the tenders again, then you must remove the checkmark or increase the number of days.

Clarifications of the individual filter functions:

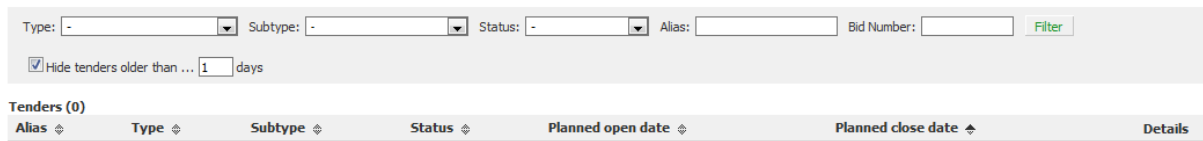


Figure 18: List of tenders and filters

In the first filter box, "**Type**" (only for SCP and TCP), you can select the type of tenders, e.g. secondary control energy or secondary control power.

In the second filter box, "**Subtype**" (only for SCP and PCP), secondary control power tenders can be differentiated once again by First Call, Second Call, Last Call, Intraday Emergency Call and Emergency Call. For PCP, you can choose between local and cross-zone.

In the third filter box, "**Status**", the statuses of the tenders can be used to filter.

- Created (tenders that have already been published)
- Gate open (bidding is still possible)
- Waiting for confirmation (all tenders are being checked by APG for plausibility and will be manually confirmed)
- Accepted (tenders that have been accepted by APG)
- Cancelled (tenders that have not been accepted by APG)

6.3 Power Tender/Loss Energy Procurement (LEP)

6.3.1 Publication:

After tenders are published, bidders can see the current tender data under Details.

In like manner, all registered bidders receive an email with the publication data one hour before publication of the respective tender. That email also contains a CSV file with the data of the respective tender.




Tenders (5)						
Alias	Type	Subtype	Status	Planned open date	Planned close date	Details
SRL_Ue_Nor_Test	Secondary Control Power	First Call	Akzeptiert	03.09.2014 08:30	03.09.2014 08:45	  

Figure 19: Publication of tenders 1

OR



Tenders (1)					
Alias	Type	Status	Planned open date	Planned close date	Details
GLS_2014_CW20_BaseMonth2014M7	Losses Procurement	Gate geöffnet	15.05.2014 10:00	15.05.2014 10:30	 

Figure 20: Publication of tenders 2

Naming

The names of the power tenders are in principle chosen such that the tender name contains the delivery period.

E.g.: SRL_2014_CW

The same principle applies to loss energy procurement:

E.g.: GLS_2014_CW30_BaseQuarter 2015Q2

6.3.2 Tender Submission

If the status of the tender is "Gate open", then you can submit your offer.

To do this, please click the "Enter bid" button


Subtype	Status	Planned open date	Planned close date	Details
First Call	Gate geöffnet	10.09.2014 12:05	10.09.2014 14:00	

Figure 21: "Enter bid" button

You now get a data entry screen for submitting your bid.

You can see the volume required for this tender under Tender volume.

Bids can be entered manually. To do this, select the "Add bid(s)" button. Each bid is given a column. If you would like to enter multiple bids, increase the number of added bids.

The Excel symbol can be used to upload multiple bids into the system at one time. Please note that if you use this function, the prepared data must correspond exactly to the format (see appendix).



Type: Secondary Control Power / First Call	Planned close date: 10.09.2014 14:00	Delivery period: 15.09.2014 - 21.09.2014					
Offer bids: SRL_OffPeak_-, 200 MW; SRL_OffPeak_+, 200 MW; SRL_Peak_-, 200 MW; SRL_Peak_+, 200 MW; SRL_Weekend_-, 200 MW; SRL_Weekend_+, 200 MW							
Bid filter: <input type="checkbox"/>							
Bids (0)							
1	Add bid(s)						
Balance Group	Product	Hours	Volume	Demand Price	Energy price	Bidnr.	Bid Time
Value to be credited: 0.00 EUR <input type="button" value="Save"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/> <input type="button" value="Reset"/> <input type="button" value="CSV Download"/>							

Figure 22: Bid input screen

After entering a bid line, the following entries can be made:

- Your accredited balance group is already pre-set.
- You can select the product for which you want to submit your bid.
- Afterwards, you can make additional entries for the volume, demand price and energy price.

Bids (1)							
1	Add bid(s)						
Balance Group	Product	Hours	Volume	Demand Price	Energy price	Bidnr.	Bid Time
VERBUND-AG	-	-	0.00 MW	0.00 EUR/MWh	0.00 EUR/MWh		
Value to be credited: 0.00 EUR <input type="button" value="Save"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/> <input type="button" value="Reset"/> <input type="button" value="CSV Download"/>							

SRL_OffPeak_+

SRL_OffPeak_-

SRL_Peak_+

SRL_Peak_-


SRL_Weekend_+

SRL_Weekend_-

Figure 23: Selecting the product (control energy)

The product is already pre-set for loss energy, and you can specify the respective hours as well as the associated energy price.

Bid filter:

Bids (1) 1 Add bids(s) 

Balance Group	Product	Hours	Volume	Energy price	Bidnr.	Bid Time
---	Base	744 h	<input type="text"/> MW	<input type="text"/> 0.00 EUR/MWh		<input type="checkbox"/>

Value to be credited: 0.00 EUR
 Open Creditlimit: 13,722,116.20 EUR Save Delete Edit Reset CSV Download

Abbildung 24: Bid Setting Grid Losses

Please observe the following

- The **volume** must be given in **MW**.
- The **demand price** and **energy price** must be given in **EUR/MWh**.
- After making your entries, click the "Save" button, which will create a time stamp for the bid.
- If you click the "Reset" button before saving, then your entries will be set to the default value of "0".

Bid filter:

Bids (1) 1 Add bids(s) 

Balance Group	Product	Hours	Volume	Demand Price	Energy price	Bidnr.	Bid Time
---	SRL_OffPeak_+	60 h	<input type="text"/> 20 MW	<input type="text"/> 10 EUR/MWh	<input type="text"/> 55 EUR/MWh		<input type="checkbox"/>

Value to be credited: 0.00 EUR Save Delete Edit Reset CSV Download

Figure 25: Save bid

Bid filter:

Bids (1) 1 Add bids(s) 

Balance Group	Product	Hours	Volume	Demand Price	Energy price	Bidnr.	Bid Time
---	SRL_OffPeak_+	60 h	20 MW	10.00 EUR/MWh	55.00 EUR/MWh	50364717	10.09.2014 12:15:11


Value to be credited: 12,000.00 EUR Save Delete Edit Reset CSV Download

Figure 26: Time stamp

6.3.3 Edit/Delete a Bid

To be able to edit a bid that has already been saved (e.g. change the volume, demand and/or energy price), please select the bid(s) to be changed with the respective marking. Only when this choice has been made will the "Delete" and "Edit" buttons be activated and can be used.

Bid filter:

Bids (1) 1 Add bids(s) 

Balance Group	Product	Hours	Volume	Demand Price	Energy price	Bidnr.	Bid Time
---	SRL_OffPeak_+	60 h	20 MW	10.00 EUR/MWh	55.00 EUR/MWh	50364717	10.09.2014 12:15:11

Value to be credited: 12,000.00 EUR Save Delete Edit Reset CSV Download

Figure 27: Bid submission - change bid

6.3.4 Tenders with a status of "Waiting for confirmation"

After the deadline for bids has elapsed, the status is set to "Waiting for confirmation". APG checks all valid submitted bids and also checks the ranking or alternatively awards of the bids for plausibility. After completing the check, APG manually confirms the tender or alternatively cancels it if there were any problems.

6.3.5 Accepted Power Tender/Loss Energy Tender

After successful checking of the tender, the bidder is contacted by email regarding whether his bid, and which one, has been awarded a contract. A CSV file is attached to the email with the bidder's result (awarded and not awarded bids).

After selecting the respective tender in the Tender menu item, the bidder can also see and download (CSV file) his accepted bids in TTS under "Details".

Tenders (2)

Alias	Type	Subtype	Status	Planned open date	Planned close date	Details
SRL_2014_KW38_Test	Secondary Control Power	First Call	Gate geöffnet	10.09.2014 12:05	10.09.2014 14:00	
SRL_Ue_Nor_Test	Secondary Control Power	First Call	Akzeptiert	03.09.2014 08:30	03.09.2014 08:45	

Figure 28: Tender list - details

Secondary Control Power Auction: SRL_Ue_Nor_Test

Tender details
Products
Preferences

<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 30%;">Alias*:</td><td colspan="3">SRL_Ue_Nor_Test</td></tr> <tr><td>Subtype*:</td><td colspan="3">First Call</td></tr> <tr><td>Planned open date*:</td><td>03.09.2014</td><td>Time:</td><td>08:30</td></tr> <tr><td>Planned close date*:</td><td>03.09.2014</td><td>Time:</td><td>08:45</td></tr> <tr><td>Delivery From*:</td><td colspan="3">04.09.2014</td></tr> <tr><td>Delivery To*:</td><td colspan="3">07.09.2014</td></tr> </table>	Alias*:	SRL_Ue_Nor_Test			Subtype*:	First Call			Planned open date*:	03.09.2014	Time:	08:30	Planned close date*:	03.09.2014	Time:	08:45	Delivery From*:	04.09.2014			Delivery To*:	07.09.2014			<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 30%;">Description:</td><td colspan="3"><div style="border: 1px solid #ccc; height: 40px;"></div></td></tr> <tr><td>Publication date*:</td><td>02.09.2014</td><td>Time:</td><td>00:00</td></tr> <tr><td>Result published at*:</td><td>10.09.2014</td><td>Time:</td><td>08:45</td></tr> <tr><td>Holiday calendar alias:</td><td colspan="3">-</td></tr> <tr><td>Status:</td><td colspan="3">Accomplished</td></tr> <tr><td>Tender open time:</td><td colspan="3">03.09.2014 08:18</td></tr> <tr><td>Tender close time:</td><td colspan="3">03.09.2014 08:19</td></tr> <tr><td style="text-align: right;">Accepted Bids</td><td colspan="3"></td></tr> </table>	Description:	<div style="border: 1px solid #ccc; height: 40px;"></div>			Publication date*:	02.09.2014	Time:	00:00	Result published at*:	10.09.2014	Time:	08:45	Holiday calendar alias:	-			Status:	Accomplished			Tender open time:	03.09.2014 08:18			Tender close time:	03.09.2014 08:19			Accepted Bids			
Alias*:	SRL_Ue_Nor_Test																																																								
Subtype*:	First Call																																																								
Planned open date*:	03.09.2014	Time:	08:30																																																						
Planned close date*:	03.09.2014	Time:	08:45																																																						
Delivery From*:	04.09.2014																																																								
Delivery To*:	07.09.2014																																																								
Description:	<div style="border: 1px solid #ccc; height: 40px;"></div>																																																								
Publication date*:	02.09.2014	Time:	00:00																																																						
Result published at*:	10.09.2014	Time:	08:45																																																						
Holiday calendar alias:	-																																																								
Status:	Accomplished																																																								
Tender open time:	03.09.2014 08:18																																																								
Tender close time:	03.09.2014 08:19																																																								
Accepted Bids																																																									

Figure 29: Tender details

Accepted bids (7)

Bid Number	Company	Product	Accepted Volume	Demand Price	Energy Price	Hours	Bid Costs	Bid Time
50362740		SRL_OffPeak_+	5 MW	6.35 EUR/MWh	400.00 EUR/MWh	24.00	762.00 EUR	03.09.2014 08:19:13
50362746		SRL_OffPeak_+	5 MW	7.32 EUR/MWh	500.00 EUR/MWh	24.00	878.40 EUR	03.09.2014 08:19:13
50362794		SRL_OffPeak_-	5 MW	2.88 EUR/MWh	-600.00 EUR/MWh	24.00	345.60 EUR	03.09.2014 08:19:15
50362758		SRL_Peak_+	5 MW	2.98 EUR/MWh	400.00 EUR/MWh	24.00	357.60 EUR	03.09.2014 08:19:14
50362764		SRL_Peak_+	5 MW	3.46 EUR/MWh	400.00 EUR/MWh	24.00	415.20 EUR	03.09.2014 08:19:14
50362776		SRL_Weekend_+	5 MW	4.66 EUR/MWh	400.00 EUR/MWh	48.00	1,118.40 EUR	03.09.2014 08:19:14
50362820		SRL_Weekend_-	5 MW	5.48 EUR/MWh	-400.00 EUR/MWh	48.00	1,315.20 EUR	03.09.2014 08:19:16
2	1	SRL_OffPeak_+	10 MW all bids: 295.00 MW			24.00	Sum: 1,640.40 EUR Average: 6.84 EUR/MWh	
1	1	SRL_OffPeak_-	5 MW all bids: 320.00 MW			24.00	Sum: 345.60 EUR Average: 2.88 EUR/MWh	
2	1	SRL_Peak_+	10 MW all bids: 345.00 MW			24.00	Sum: 772.80 EUR Average: 3.22 EUR/MWh	
1	1	SRL_Weekend_+	5 MW all bids: 305.00 MW			48.00	Sum: 1,118.40 EUR Average: 4.66 EUR/MWh	
1	1	SRL_Weekend_-	5 MW all bids: 325.00 MW			48.00	Sum: 1,315.20 EUR Average: 5.48 EUR/MWh	

[CSV Download](#)

Total companies:6

Figure 30: Accepted bids

6.4 Day-Ahead Tender (Secondary and Tertiary Control)

After completion of the power tender, the accepted bids are put into the daily day-ahead tenders.

The energy prices can be adjusted while the tender is in the "Gate open" status. However, the energy price that was given in the power tender may not be under- or over-shot (depending on the delivery direction). For SCP, additional bids can be neither added nor existing bids deleted.

For TCP, additional bids (without demand price) can be submitted, edited and also deleted. Bids from a power tender can only be changed.

To adjust the energy prices, please click the "Enter bid" button

Tenders (4)













Alias	Type	Subtype	Status	Planned open date	Planned close date	Details
SRL_DA_2014_09_04	Secondary Control Energy		Akzeptiert	03.09.2014 09:00	03.09.2014 15:00	  
SRL_DA_2014_09_05	Secondary Control Energy		Akzeptiert	04.09.2014 09:00	04.09.2014 15:00	  
SRL_DA_2014_09_06	Secondary Control Energy		Akzeptiert	05.09.2014 09:00	05.09.2014 15:00	  
SRL_DA_2014_09_07	Secondary Control Energy		Akzeptiert	05.09.2014 09:00	05.09.2014 15:00	  

Figure 31: Day-ahead tender - Enter bid

6.4.1 Edit a Bid

To be able to edit the energy price of an already saved bid, please select the bid(s) to be changed by clicking the box(es). Only when this choice has been made will the "Edit" and "Delete" buttons be activated and can be used.

Bid filter:

Bids (1)

Balance Group	Product	Hours	Volume	Demand Price	Energy price	Bidnr.	Bid Time	
	SRL_OffPeak_+	60 h	20 MW	10.00 EUR/MWh	55.00 EUR/MWh	50364717	10.09.2014 12:15:11	<input checked="" type="checkbox"/>

Value to be credited: 12,000.00 EUR

Figure 32: Day-ahead bid submission - edit

After changing the energy price, please save your changes by clicking the "Save" button.

Bids (1)

Balance Group	Product	Hours	Volume	Demand Price	Energy price	Bidnr.	Bid Time	
	SRL_OffPeak_+	60 h	20 MW	10.00 EUR/MWh	55.00 EUR/MWh	50364717	10.09.2014 12:15:11	<input type="checkbox"/>

Value to be credited: 12,000.00 EUR

Figure 33: Day-ahead bid submission - save

6.5 Menu Item: Tender Results

The results of all tenders can be seen under "Tender results".

A filter box called "Type" has been created in this screen for better clarity. The filter criteria correspond to the same criteria described in chapter 6.2.1.

The results are shown staggered according to product type (for secondary and tertiary control).

6.6 Menu Item: Master Data – Persons

After selecting the menu item "Master Data → Persons“, the screen seen in Figure 34 appears. Persons authorised for your company are shown.

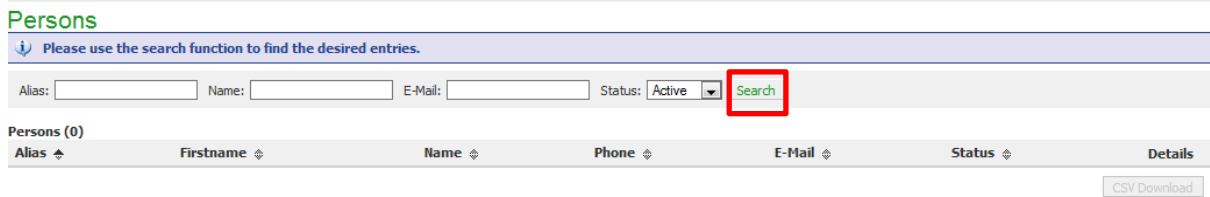


Figure 34: "Master Data – Persons" screen

Clicking the "Details" button on the right edge of the list will cause the corresponding details of the person's master data to become visible.

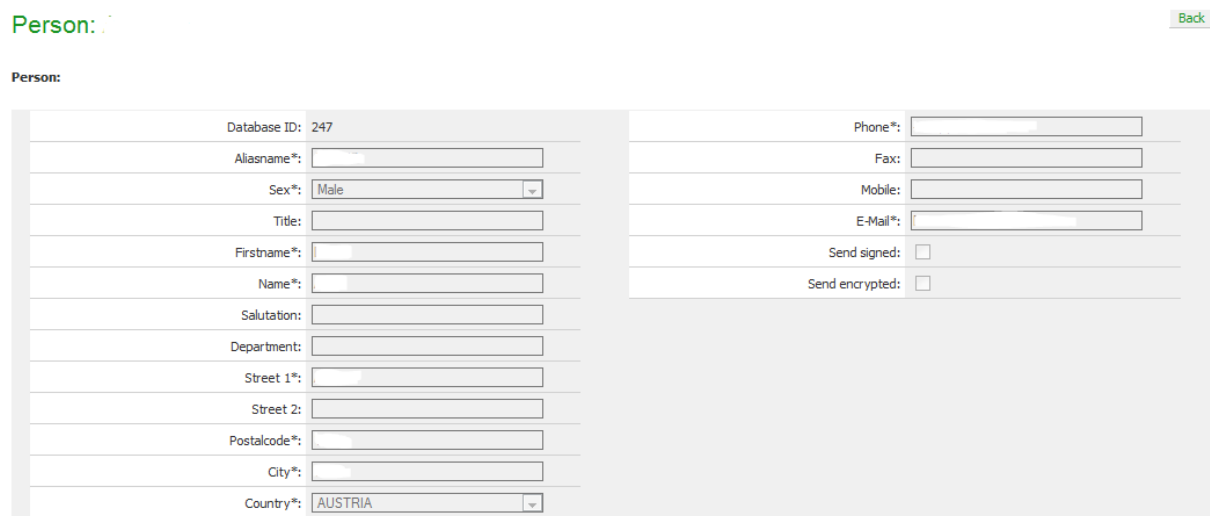


Figure 35: "Master Data – Persons" screen

The details of the person's master data (email address, telephone number, ...) can be seen in Figure 35.

6.7 Menu Item: Master Data – Companies

After selecting the menu item "Master Data - Companies“, the screen seen in Figure 36 appears. Your company is shown.

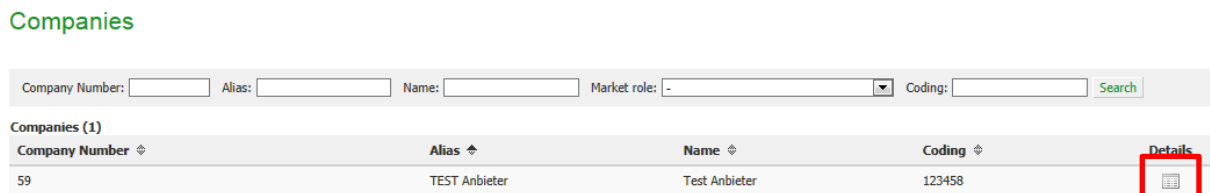


Figure 36: "Master Data – Companies" screen

Clicking the "Details" button will cause the corresponding details of the company's master data to be shown.

6.7.1 Company Master Data, General

Company: TEST Anbieter Back

General | Persons (2) | Balance Groups (1) | Contracts (0) | Locations (0)

Database ID: 59		Local ID: AT200200	
Alias**:	TEST Anbieter	Coding**:	123458 NAT
Name*:	Test Anbieter	Debitor number:	
Tax ID:	ATU1234584	Creditor number:	
Registry number:			

Subsidiaries		
Name**	Role*	Status
TEST Anbieter	Trade BRP	Active

Figure 37: "Master Data – Companies" - General screen

The details of the company master data are arranged or alternatively can be selected by means of different "tabs" (see Figure 37). The "General" tab appears by default and contains your company alias name, company registration number, etc.

6.7.2 Persons

The persons assigned to your company with their roles are listed under the "Persons" tab.

Company: TEST Anbieter Back

General | Persons (2) | Balance Groups (1) | Contracts (0) | Locations (0)

Persons of the market role type TEST Anbieter (2)

Alias	Name	Status	Phone	Role*
✓		Active		Trader
✓	Test Theo	Active	123456789	Trader

Saved: ✓ New: ⓘ Modified: ⚠

[CSV Download](#)

Figure 38: "Master Data – Companies" - Persons screen

6.7.3 Contracts

The company's existing contracts are seen under the "Contracts" tab.

A filter can also be set in this screen for better clarity.

Company: TEST Anbieter Back

General | Persons (2) | Balance Groups (1) | Contracts (0) | Locations (0)

Bitte benutzen Sie die Suchfunktion um die gewünschten Daten zu finden.

Contract type: - Valid: 01.09.2014 - 01.10.2014 [Search](#)

Contractname	Contractpartner	Valid from	Valid to	Contract type	Status	Description	Details
CSV Download							

Figure 39: "Master Data – Companies" - Contracts screen

A power contract comes into being based on the contracts awarded for power tenders.

For energy auctions, the valid bids are ranked in the Merit-Order-List and an energy contract is created when the energy is successfully called up.

6.7.4 Locations

The next tab called "Locations" contains the data on your different locations (see Figure 40). Besides the head office address, other addresses can also be entered such as the billing address, for example. Click the "Details" button on the right edge of the list to see the details of the saved address.

Company: TEST Anbieter

Back

Usage	City	Street 1	Copy entry	Details
Establishment	AT			

[CSV Download](#)

Figure 40: "Master Data - Companies" – Locations

6.8 Menu Item: Schedules

After selecting the menu item "Schedules → Time series", the time series that are relevant to the selected time range can be seen (see Figure 41). The time range is easy to set through the selection boxes. Clicking the "Filter" button afterwards shows the relevant time series. If you make a selection(s) on the right side of the list and then click the "Show time series" button, then they will be shown in accordance with Figure 42. (Clicking the "CSV Download" button will only lead to a file with the currently displayed overview table.)

Time series

Time series: Day 01 09 2014 Type: GL Delivery [Filter](#)

Name	Origin	Type	Version	
VEB_Delivery-		VEB Lieferung	19.0	
VEB_Delivery-		VEB Lieferung	1.0	
VEB_Delivery-		VEB Lieferung	1.0	
VEB_Delivery-		VEB Lieferung	1.0	

Figure 41: "Schedules – Time series" screen.

The following illustration shows the selected time series in tabular form. The selected time series can be exported in CSV format with the "CSV Download" button. If you select the time series in the header of the table and then click the chart picture on the top left side of the table, then a graphical display of the selected time series will appear.

Time series: 01.09.2014 - 01.09.2014

Resolution: Viertel Stunde Show

Name	Total	Average
Grid Operator		
Version		
Total	1.344,000 MWh	56,000 MW
Average saved from saved at	1.344,000 MWh	56,000 MW
	10.10.2013 10:31:40	

01.09.2014 00:00 - 00:15 51,000 51,000

01.09.2014 00:15 - 00:30 51,000 51,000

01.09.2014 00:30 - 00:45 51,000 51,000

01.09.2014 00:45 - 01:00 51,000 51,000

01.09.2014 01:00 - 01:15 51,000 51,000

01.09.2014 01:15 - 01:30 51,000 51,000

01.09.2014 01:30 - 01:45 51,000 51,000

01.09.2014 01:45 - 02:00 51,000 51,000

01.09.2014 02:00 - 02:15 51,000 51,000

01.09.2014 02:15 - 02:30 51,000 51,000

01.09.2014 02:30 - 02:45 51,000 51,000

01.09.2014 02:45 - 03:00 51,000 51,000

01.09.2014 03:00 - 03:15 51,000 51,000

01.09.2014 03:15 - 03:30 51,000 51,000

01.09.2014 03:30 - 03:45 51,000 51,000

01.09.2014 03:45 - 04:00 51,000 51,000

01.09.2014 04:00 - 04:15 51,000 51,000

01.09.2014 04:15 - 04:30 51,000 51,000

01.09.2014 04:30 - 04:45 51,000 51,000

01.09.2014 04:45 - 05:00 51,000 51,000

CSV Download Multi Header CSV Download

Figure 42: "Schedules – Time series" – Show a time series screen

6.9 Menu Item: Prequalification

Under the "Prequalification – Accreditations" menu item, the balance groups are shown with whom your company is entitled to take part in the tenders.

The accreditations are dependent on the prequalification of your systems.

Accreditations

Alias: [] Valid from: [] - [] Type: [] Issuer: []

Alias	Type	From	To
TEST Anbieter	Secondary Control Power	01.09.2014	09.09.2016
TEST Anbieter	Secondary Control Energy	01.09.2014	09.09.2016

Figure 43: Accreditations screen

7 Appendix

7.1 Bidding Template for Uploading – Control Energy

The following columns must be there for entering bids via Microsoft™ Excel table:

- Balance group names (visible in TTS and the Master data - Balance Groups - Alias point)
- Product
- Power in MW
- Demand price in EUR/MWh
- Energy price in EUR/MWh

	A	B	C	D	E
1	Bilanzgruppe	Produkt Alias	Leistung	Leistungspreis	Arbeitspreis
2	Test Anbieter AR	SRL_OffPeak_+	5	1	1
3	Test Anbieter AR	SRL_OffPeak_-	5	1	1
4	Test Anbieter AR	SRL_Peak_+	5	1	1
5	Test Anbieter AR	SRL_Peak_-	5	1	1
6	Test Anbieter AR	SRL_Weekend_+	5	1	1
7	Test Anbieter AR	SRL_Weekend_-	5	1	1
8					
9					

7.2 Bidding Template for Uploading – Loss Energy

The following columns must be there for entering bids via Microsoft™ Excel table:

- Balance group names (visible in TTS and the Master data - Balance Groups - Alias point)
- Product
- Power in MW
- Energy price in EUR/MWh

	A	B	C	D
1	Bilanzgruppe	Produkt	Leistung	Arbeitspreis
2	Test Anbieter AR	Base	10	1
3	Test Anbieter AR	Peak	10	1
4				
5				
6				
7				
8				