

Instructions on how to use the grid-loss-platform of Amprion GmbH



How to get access to the grid-loss-platform of Amprion (1)

(a) Precondition:

Installation of a certificate which you get from Amprion together with a password needed for the installation

(b) Platform can be reached using the following link:

<https://www.tso-grid-loss.net/grl/index.html>

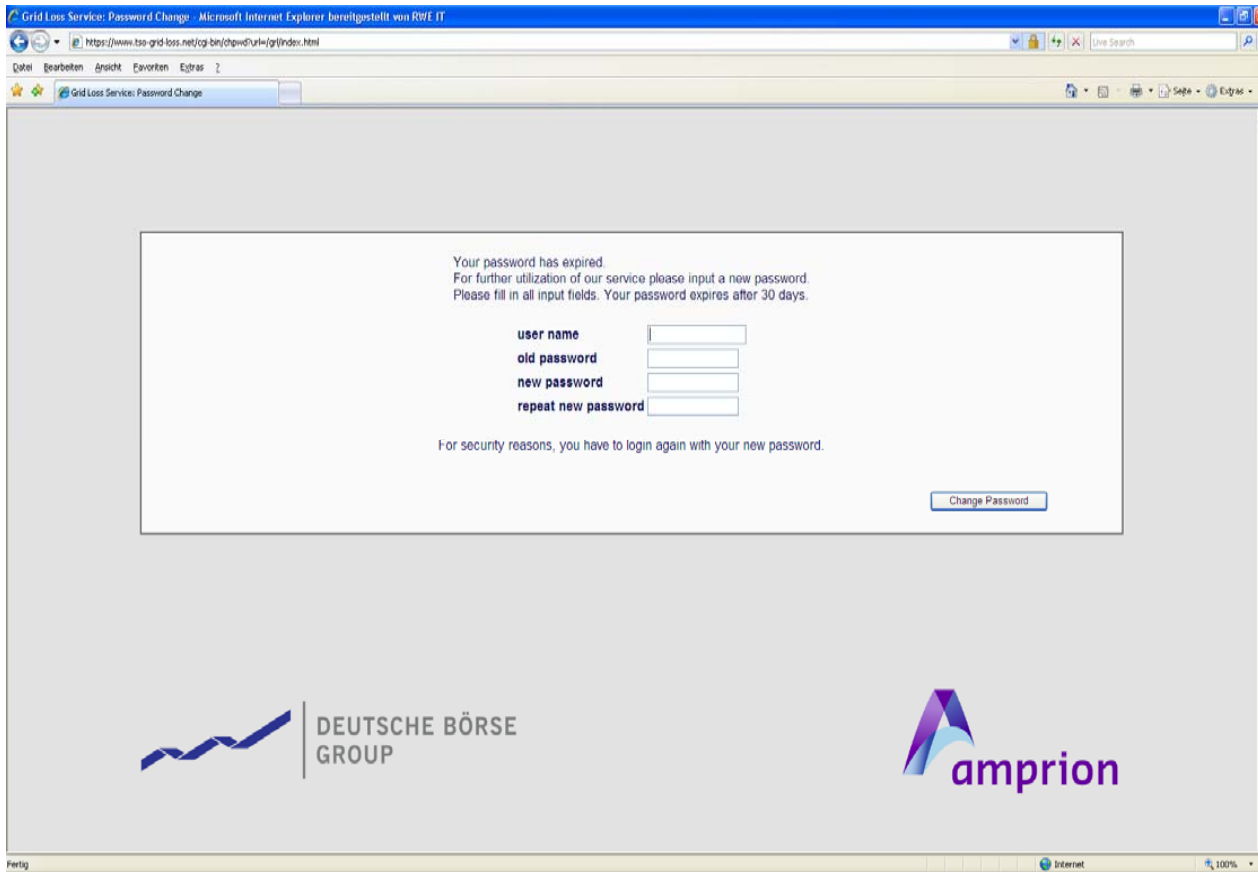
After entering the link a form appears with the installed certificates. Please choose the correct certificate (if there are more than one installed) and click OK.

How to get access to the grid-loss-platform of Amprion (2)



(c) Please insert your user-ID and your password submitted by Amprion and then click the OK-button.

How to get access to the grid-loss-platform of Amprion (3)



Grid Loss Service: Password Change - Microsoft Internet Explorer bereitgestellt von RWE IT

https://www.tso-grid-loss.net/cgi-bin/dpweb?url=/gr/index.html

Grid Loss Service: Password Change

Your password has expired
For further utilization of our service please input a new password
Please fill in all input fields. Your password expires after 30 days.

user name

old password

new password

repeat new password

For security reasons, you have to login again with your new password.

Change Password

DEUTSCHE BÖRSE GROUP

amprion

(d) You will be asked to change the initial password when you get access first time

GUI of the platform - Overview (1)

The screenshot displays the 'List of Auctions' page on the tso-grid-loss.net website. The page features a table with 15 rows of auction data, categorized by their state: Published, Running, and Closed. Three callout boxes provide context for these states:

- Auctions, which will be held in future:** Points to the 'Published' state (row 1).
- Auctions, open for bidding:** Points to the 'Running' state (rows 2 and 3).
- Auctions, which were running in the past:** Points to the 'Closed' state (rows 4-15).

No.	Tender Id	State	Product	# Lots	Energy (MWh)	Bidding Start	Gate Closure
1	Test 25	Published	Base 2012	5	8784	31.08.2011 10:00	31.08.2011 15:00
2	Test 26	Running	Base Y2322	6	8760	30.08.2011 06:00	31.08.2011 06:00
3	Test 24	Running	Peak 2012	7	4380	29.08.2011 15:00	30.08.2011 15:00
4	Test 23	Closed	Base 2012	3	8760	29.08.2011 10:00	29.08.2011 15:00
5	Test 22	Closed	Jahresband 2012	6	15368	26.08.2011 06:00	26.08.2011 15:00
6	Test Auktion 21	Closed	Jahresband 2013	8	8760	24.08.2011 16:30	25.08.2011 15:00
7	Test Auktion 20	Closed	Base Year 2012	6	8761	23.08.2011 12:00	23.08.2011 18:00
8	Test Auktion 19	Closed	Base Year 2012	8	17522	18.08.2011 06:00	19.08.2011 15:00
9	Test Auktion 18	Closed	Base Year 2012	6	8761	17.08.2011 06:00	17.08.2011 15:00
10	Test 17	Closed	Base Y2300	5	8760	15.08.2011 13:20	15.08.2011 13:30
11	Test 16	Closed	Base Testjahr 2123	5	8760	15.08.2011 12:50	15.08.2011 13:00
12	Test 15	Closed	Off Peak	5	3214	12.08.2011 13:45	12.08.2011 13:50
13	Test 14	Closed	Peak Off 23	5	1234	12.08.2011 12:20	12.08.2011 12:37
14	Test 13	Closed	Tomaten	10	20000	05.08.2011 12:44	05.08.2011 12:47
15	Test 12	Closed	Gummibärchen	5	555	05.08.2011 11:10	05.08.2011 11:35

Page 1 / 2, items 1...15 from 27

Page 1 / 24, items 1...15 from 356

GUI of the platform – Overview (2)

By click on the relevant row details of an auction are shown. This selection is also necessary to submit bids for a running auction.

The screenshot displays the 'Grid Loss Auction' interface in a Microsoft Internet Explorer browser. The main content area shows a table of auctions with columns for No., Tender Id, State, Product, # Lots, Energy (MWh), Bidding Start, and Gate Closure. The first row, 'Test 27', is highlighted in green and marked as 'Running'. The other rows are marked as 'Closed'. A 'Messages' panel on the right side shows a log of user activities, including logins and logouts for various users like 'User 'CXBDFO0'', 'User 'CXBBBL00'', and 'User 'CXBBBL01''. The interface also includes a sidebar with navigation options like 'All Auctions', 'Published Auctions', 'Running Auctions', 'Closed Auctions', 'My Running Auctions', and 'My Closed Auctions'. The Amprion logo is visible in the top left corner of the page.

No.	Tender Id	State	Product	# Lots	Energy (MWh)	Bidding Start	Gate Closure
1	Test 27	Running	Base 2025	11	43800	01.09.2011 09:00	01.09.2011 15:00
2	Test 25	Closed	Base 2012	5	8784	31.08.2011 10:00	31.08.2011 15:00
3	Test 26	Closed	Base Y2322	6	8760	30.08.2011 06:00	31.08.2011 06:00
4	Test 24	Closed	Peak 2012	7	4380	29.08.2011 15:00	30.08.2011 15:00
5	Test 23	Closed	Base 2012	3	8760	29.08.2011 10:00	29.08.2011 15:00
6	Test 22	Closed	Jahresband 2012	6	15368	26.08.2011 06:00	26.08.2011 15:00
7	Test Auktion 21	Closed	Jahresband 2013	8	8760	24.08.2011 16:30	25.08.2011 15:00
8	Test Auktion 20	Closed	Base Year 2012	6	8761	23.08.2011 12:00	23.08.2011 18:00
9	Test Auktion 19	Closed	Base Year 2012	8	17522	18.08.2011 06:00	19.08.2011 15:00
10	Test Auktion 18	Closed	Base Year 2012	6	8761	17.08.2011 06:00	17.08.2011 15:00
11	Test 17	Closed	Base Y2300	5	8760	15.08.2011 13:20	15.08.2011 13:30
12	Test 16	Closed	Base Testjahr 2123	5	8760	15.08.2011 12:50	15.08.2011 13:00
13	Test 15	Closed	Off Peak	5	3214	12.08.2011 13:45	12.08.2011 13:50
14	Test 14	Closed	Peak Off 23	5	1234	12.08.2011 12:20	12.08.2011 12:37
15	Test 13	Closed	Tomaten	10	20000	05.08.2011 12:44	05.08.2011 12:47

GUI of the platform – Overview (3)

Maximum accepted price of a running auction = highest price of an already submitted bid which would be accepted if the auction closes at this moment

The screenshot displays the 'Grid Loss Auction' interface in Microsoft Internet Explorer. The browser address bar shows the URL: <https://www.tso-grid-loss.net/grl/pages/bidder/auctions.iface>. The page title is 'Grid Loss Auction - Microsoft Internet Explorer bereitgestellt von RWE IT'. The main content area is titled 'Auction: Test 24' and contains several sections:

- Main Auction Details:** Tender Id: Test 24, Status: Running (indicated by a green square), Product: Peak 2012, Number of Lots: 7.
- Timing Details:** Bidding Start Time: 29.08.2011 15:00, Closure Time: 30.08.2011 15:00, Time to Closure: 01:41:59.
- Energy Details:** Energy per lot (MWh): 4380, Power (MW): 1.
- Pricing Details:** Average Accepted Price: Value is not calculated yet, Maximum Accepted Price: 78.10.
- Bids Details:** A table with 7 rows and 6 columns: No., Submission Time, Last Updated Time, Eur/MWh (excl.VAT), Rank, and a column with bid management icons (+ and X).

A blue arrow points from the text box on the left to the 'Maximum Accepted Price' field in the Pricing Details section. Below the bids table, there is a checkbox for 'The bidding party agrees with terms and conditions...' and 'Save' and 'Close' buttons.

On the right side, there is a 'Messages' panel showing a log of user activities, including logins and logouts for users like 'User 'CXBJF00'', 'User 'CXBBBL00'', and 'User 'CXBBBL00''. At the bottom right of the messages panel, it says 'Page 1 / 24, Items 1...15 from 356'.

At the bottom of the browser window, there is a copyright notice: '©2011, Grid Loss Service, check the Terms & Condition.'

GUI of the platform – Overview (4)

Grid Loss Auction - Microsoft Internet Explorer bereitgestellt von RWE IT

https://www.tso-grid-loss.net/gr/pages/bidder/auctions.iface

Grid Loss Auction

Auctions Imprint About

Mustermann, 10XDEAMPRION---X Change Password Sign Out

Grid Loss amprion

All Auctions
Published Auctions
Running Auctions
Closed Auctions
My Running Auctions
My Closed Auctions

List of Auctions Auction : Test 25 Auction : Test 27

Main Auction Details

Tender Id : Test 27
Status : ■ Running
Product : Base 2025
Number of Lots : 11

Timing Details

Bidding Start Time : 01.09.2011 09:00
Closure Time : 01.09.2011 15:00
Time to Closure : **04:45:38**

Energy Details



















Energy per lot (MWh) : 43800
Power (MW) : 5

Pricing Details

Average Accepted Price : Value is not calculated yet.
Maximum Accepted Price : 77.25

Auction Description

Bids Details

No.	Submission Time	Last Updated Time	Eur/MWh (excl.VAT)	Rank	
					 
					 
					 
					 
					 
7					 
8					 
9					 
10					 
11					

The bidding party agrees with [terms and conditions](#) :

Save Close

Messages

01.09.2011 10:11:39
User 'CXBBBL00' logged in.
01.09.2011 09:44:10
User 'CXBDFO0' logged in.
01.09.2011 09:42:31
User 'CXBBBL00' logged out.
01.09.2011 09:42:07
User 'CXBBBL00' logged in.
01.09.2011 09:00:15
Auction (Test 27) started!
31.08.2011 15:00:01
Auction (Test 25) closed!
31.08.2011 15:00:01
Auction (Test 25) calculated; 5 bids accepted.
31.08.2011 14:07:02
User 'CXBBBL00' logged out.
31.08.2011 14:06:38
User 'CXBBBL00' logged out.
31.08.2011 14:06:12
User 'CXBBBL00' logged in.
31.08.2011 14:05:44
User 'CXBBBL00' logged in.
31.08.2011 14:05:13
User 'CXBBBL00' logged out.
31.08.2011 14:04:18
User 'CXBBBL00' logged in.
31.08.2011 12:02:58
User 'CXBBBL00' logged out.
31.08.2011 10:56:09
User 'CXBBBL00' logged in.

Page 1 / 29, items 1...15 from 422

Internet 100%

To enter a bid first time
please click the left
blue icon

GUI of the platform – Overview (5)

The screenshot shows the 'Grid Loss Auction' interface in Microsoft Internet Explorer. The browser address bar displays 'https://www.tso-grid-loss.net/grl/pages/bidder/auctions.iface'. The page features the 'amprion' logo and navigation tabs for 'Auctions', 'Imprint', and 'About'. The main content area is titled 'List of Auctions' and shows details for 'Auction : Test 27'. The 'Main Auction Details' panel includes: Tender Id: Test 27, Status: Running, Base: 2025, Lots: 11, Lot (MWh): 43800, and Duration (h): 5. The 'Timing Details' panel shows: Bidding Start Time: 01.09.2011 09:00, Closure Time: 01.09.2011 15:00, and Time to Closure: 04:47:27. The 'Pricing Details' panel shows: Average Accepted Price: Value is not calculated yet, and Maximum Accepted Price: 77.25. Below these panels is a table with columns: Submission Time, Last Updated Time, Eur/MWh (excl.VAT), and Rank. A blue arrow points to the 'Eur/MWh (excl.VAT)' column header. The table contains several rows, each with a red 'X' icon and a plus icon. At the bottom of the table, there is a checkbox for 'I agree with terms and conditions' and a 'Close' button. On the right side, a 'Messages' panel displays a list of system messages, including user logins and auction status updates. The bottom of the browser window shows the 'Internet' icon and a 100% zoom level.

A price can be entered here. The decimals can be separated either by a comma or by a decimal point. After saving the bid(s) only first two decimals are accepted. Additional decimals are set to zero when the bid is saved.

GUI of the platform – Overview (6)

Grid Loss amprion

Auctions Imprint About

Mustermann, 10XDEAMPRION--X Change Password Sign Out

List of Auctions Auction : Test 25 Auction : Test 27

Main Auction Details

Tender Id: Test 27

Status: ■ Running

Product: Base 2025

Number of Lots: 11

Timing Details

Bidding Start Time: 01.09.2011 09:00

Closure Time: 01.09.2011 15:00

Time to Closure: 04:43:42

Pricing Details

Average Accepted Price: Value is not calculated yet

Maximum Accepted Price: 77.25

Submission Details

Submission Time	Last Updated Time	Eur/MWh (excl.VAT)	Rank
		77,24	✖
		77,23	✖
		77,24	✖

The bidding party agrees with terms and conditions:

Save Close

Messages

01.09.2011 10:11:39
User 'CXBBBL00' logged in.

01.09.2011 09:44:10
User 'CXBJDF00' logged in.

01.09.2011 09:42:31
User 'CXBBBL00' logged out.

01.09.2011 09:42:07
User 'CXBBBL00' logged in.

01.09.2011 09:00:15
Auction (Test 27) started!

31.08.2011 15:00:01
Auction (Test 25) closed!

31.08.2011 15:00:01
Auction (Test 25) calculated; 5 bids accepted.

31.08.2011 14:07:02
User 'CXBBBL00' logged out.

31.08.2011 14:06:38
User 'CXBBBL00' logged out.

31.08.2011 14:06:12
User 'CXBBBL00' logged in.

31.08.2011 14:05:44
User 'CXBBBL00' logged in.

31.08.2011 14:05:13
User 'CXBBBL00' logged out.

31.08.2011 14:04:18
User 'CXBBBL00' logged in.

31.08.2011 12:02:58
User 'CXBBBL00' logged out.

31.08.2011 10:56:09
User 'CXBBBL00' logged in.

Page 1 / 29, items 1...15 from 422

GUI of the platform – Overview (7)

The screenshot displays the 'Grid Loss Auction' interface in Microsoft Internet Explorer. The main content area shows 'Auction : Test 27' with various details and a table of submitted bids. The table has the following data:

No.	Submission Time	Last Updated Time	Eur/MWh (excl.VAT)	Rank	Actions
1	01.09.2011 10:20:58	01.09.2011 10:20:58	77.23	1	[Paper icon] [Close icon]
2	01.09.2011 10:20:58	01.09.2011 10:20:58	77.24	2	[Paper icon] [Close icon]
3	01.09.2011 10:20:58	01.09.2011 10:20:58	77.24	3	[Paper icon] [Close icon]
4					[Add icon] [Close icon]
5					[Add icon] [Close icon]
6					[Add icon] [Close icon]
7					[Add icon] [Close icon]
8					[Add icon] [Close icon]
9					[Add icon] [Close icon]
10					[Add icon] [Close icon]
11					[Add icon] [Close icon]

Annotations in the image include a text box on the left explaining bid modification and a text box at the bottom explaining the ranking of bids. Blue arrows point from these text boxes to the corresponding icons and ranking column in the table.

Price of submitted bids can be changed (decreased) afterwards in the same way by clicking on the left paper-icon. To cancel a bid please use the right icon.

Ranking of your bids between all received bids from all bidders at this moment



Algorithm to determine the accepted bids after the deadline is reached

Number of submitted bids of each bidder is limited by the number of identical lots given to the auction. That means bid N° 1 is not connected with lot 1 and can be accepted for every of the published lots: All bids are valid for all lots. If the auction consists of n bids the n cheapest bids of all bids received from all bidders are accepted after the deadline is reached. In case of equal prices the earlier submitted bid will be accepted (based on the „Last Updated Time“, see third column in the GUI).

View of a closed auction - results

The screenshot displays the 'Grid Loss Auction' interface in Microsoft Internet Explorer. The main content area shows details for 'Auction: Test 04'. The auction is closed, and the results are as follows:

No.	Submission Time	Last Updated Time	Eur/MWh (excl.VAT)	Acceptance	Rank	
1	09.09.2011 16:20:00	09.09.2011 16:24:31	69.99	yes	1	
2	09.09.2011 16:20:00	09.09.2011 16:25:28	70.19	yes	2	
3	09.09.2011 16:20:00	09.09.2011 16:25:28	70.19	yes	3	
4	09.09.2011 16:20:00	09.09.2011 16:29:32	70.21	no	> 5	
5	09.09.2011 16:20:00	09.09.2011 16:20:00	77.20	no	> 5	

Below the table, there are buttons for 'Save', 'Close', and 'Download Report'. A blue arrow points to the 'Download Report' button. A text box below the screenshot states: 'A report (pdf-file) with auction results can be downloaded by the bidder'.

The interface also includes a 'Messages' panel on the right with a list of system events, such as user logins and auction status changes. The footer of the browser window shows 'Fertig' and 'Internet'.

From 5 submitted bids 3 bids were accepted while 2 bids are out of the accepted range (takes a place >5 in the final ranking order).

Specific remarks regarding the cancellation of bids

A cancellation of bids is not considered as normal action of a bidder. It can be the last possibility to react in case of typing errors detected only after the bid was saved.

Please notice that cancellation of at least one bid leads to the situation that

- no more bids can be added to this auction even if the number of submitted bids is lower the number of lots
- prices of other still existing bids of the relevant auction cannot be changed (decreased) anymore