



# Fingrid's regulating bid instruction

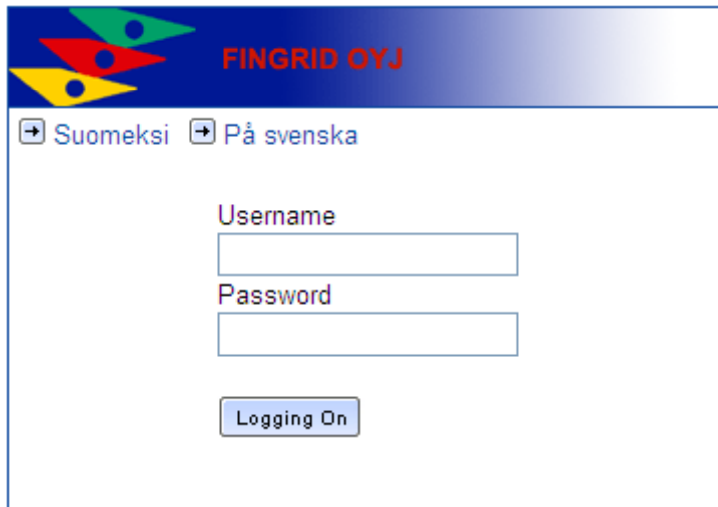
User instructions for Vaksiweb

1 January 2009

## General

- In accordance with this instruction, a party can submit regulation bids to the regulating power market maintained by Fingrid
- The party must have an agreement entitling access to the regulating power market.
- The regulation bids are submitted through Vaksiweb.
- Vaksi is a web-based application for the management of commercial data on the power system.
- The IP address from which a party will communicate with Vaksiweb via the Internet must be delivered to Fingrid in advance. The addresses can be individual addresses or an address concerning the entire company, arranged by for example NAT.
- Fingrid gives the needed logging on information to the Vaksiweb (address, username, password).

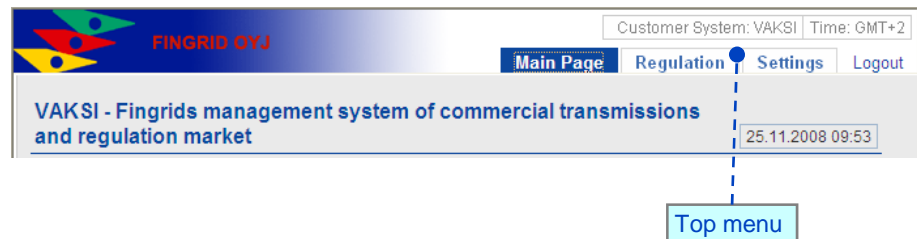
## Logging on



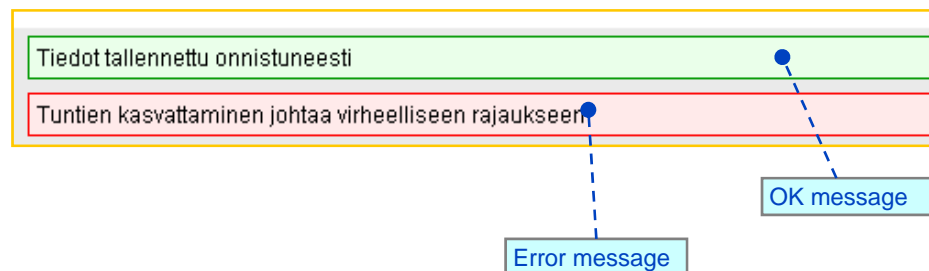
The screenshot shows the login interface for FINGRID OYJ. At the top left is the FINGRID logo, and to its right is the text "FINGRID OYJ". Below this, there are two language selection options: "Suomeksi" and "På svenska", each with a small arrow icon. The main form area contains two input fields: "Username" and "Password". Below these fields is a "Logging On" button.

- **Purpose**
  - User identification and logging into the system.
  - Selection of user interface language; default Finnish.
- **Functions**
  - Type the address, which has been sent to you separately, on the address line of your browser. Save the address in your favourites for later use.
  - Language selection: The language of the session can be changed to English or Swedish.
  - Username: Enter your username.
  - Password: Enter your password. Note uppercase/lowercase.
  - Logging on: Starts user identification and logging on. Presents the main page of the system.

## Front page and general operations



### Messages



- **Main page**
  - After logging on, the main page of the VAKSI system opens up.
  - The user can choose functions from the top menu.
- **Windows**
  - The displays open either to a new window or in the same window based on the function or menu parameters in question.
  - When a display opens to a new window, the main page of VAKSI with its menus remains open on the background, enabling the opening of new displays.
  - When a display opens to the same window, the new display replaces the contents of the previous page. However, the top menu remains in use.
  - Note: Avoid using the Back key of the browser.
- **Messages**
  - A successful event, such as saving of information, is displayed on the green line in the top part of the display.
  - Error messages are also displayed in the top part of the display but on a red background.
- **Finishing of use**
  - Close all open displays using the Close command of the browser through the File menu or using the red cross in the top right corner.
  - When only the main page with its menus is open, press the Logout key in the right edge of the top menu.
  - The logging on page opens after logging out. You can close this page by using the Close command of the browser.

## Top menu Regulation bids

### **1. Entering regulation bids**

Entering and search functions for bids.

### **2. Bids and trades**

Monitoring of transactions during the hour.

### **3. Reporting of bids and trades**

Search of bid and transaction data for reporting purposes.

## Entering regulation bids (1/3)

**Search Criteria / FG** ?
**Bids / FG** Object Period: 01.01.2010 00 - 01.01.2010 01 25.11.2008 09:56 ?

Validity begins  
01.01.2010 00

Validity ends  
01.01.2010 01

Balance  
All

Area  
All

Search Clear

X Close

Save Print Clipboard Add new bid

Time	Quantity (MW)	Price (EUR)	Balance	Area	Power station			
01.01.2010 00	20	110.00	Consumption	South	Lehtisaari			
	50	70.00	Consumption	South	Lehtisaari			
	30	50.00	Consumption	South	Lehtisaari			
	-20	49.00	Production	North	Kuusisaari			
	-100	48.00	Production	North	Kuusisaari			
	-50	13.00	Production	North	Kuusisaari			

- **Purpose**

- Entering of new regulation bids in the database, search of bids.
- Bids can be entered either directly in the table or from the clipboard.
- The display is subject to the 45-minute notification time, i.e. bids cannot be entered or changed after the notification period.

- **Data contents**

- Search criteria: Criteria available for data search (see Search criteria functions).
- Table for entering bids:
  - Time of bid (beginning of hour), quantity, price, balance (production/consumption), area, and power station. All this information is compulsory. If there are shortcomings in the power station list menu, inform Fingrid.
  - The time is presented for all hours of the search period. If there is no other data on the line, there is no bid for the hour.
  - The time is not repeated for other bids in the same hour.
- Clipboard:
  - Time of bid (beginning of hour), quantity, price, balance (production/consumption), area, and power station.

- **Search criteria functions**

- Search criteria:
  - Validity begins: Time of beginning of bid period.
  - Validity ends: Time of ending of bid period.
  - Area: Area of bid.
- Search: Searches the data which fulfils the search criteria.
- Clear: Returns the default values of the search criteria.
- Close: Closes the display and removes the window.
- Save: Click this at the end to save the bids for Fingrid's use.




## Entering regulation bids (2/3)




Search Criteria / FG ?

Validity begins: 01.01.2010 00:00  
Validity ends: 01.01.2010 01:00

Bids / FG Object Period: 01.01.2010 00 - 01.01.2010 01 25.11.2008 09:56 ?




Save Print Clipboard Add new bid

Time	Quantity (MW)	Price (EUR)	Balance	Area	Power station	
01.01.2010 00	20	110.00	Consumption	South	Lehtisaari	  

Start	Ends	Quantity (MW)	Price (EUR)	Balance	Area	Power station	
01.01.2010 00:00	01.01.2010 01:00	0	0				<input checked="" type="checkbox"/> <input type="checkbox"/>
Time	Quantity (MW)	Price (EUR)	Balance	Area	Power station		
01.01.2010 00	20	110.00	Consumption	South	Lehtisaari	  	

Adding a bid

### • Functions of the table for entering a regulation bid

- Save: Saves the bids which have been added or changed in the display (presented in blue) into the database, or removes the bids which have been marked as deleted bids (presented with underlining). After saving, all data is presented in black.
- Print: Prints the contents of the table to a printer.
- Clipboard: Exports the contents of the table to the clipboard where the bids can be edited or added.
- Add new bid: Opens the fields for adding a bid to the top row of the table. The default period is the search period.
-  Edit: Opens the bid to the edit mode.
  - Accept: Accepts the changes made.
  - Undo: Cancels the changes made.
-  Delete: Marks the bid as deleted.
-  Copy: Opens the fields for adding a bid to the top row of the table. The default period is the hour in question (the name of the function is changed to New).
- Save: Click this at the end to save the bids for Fingrid's use.

## Entering regulation bids (3/3)

Search Criteria / FG ? Bids / FG Object Period: 01.01.2010 00 - 01.01.2010 01

Print Select all Clear Export to table Close

PP.KK.VVVV TT<tab>Quantity (MW)<tab>Price (EUR)<tab>Balance<tab>Area<tab>Power station

01.01.2010	00	20	110	1	2	Lehtisaari
01.01.2010	00	50	70	1	2	Lehtisaari
01.01.2010	00	30	50	1	2	Lehtisaari
01.01.2010	00	-20	49	2	1	Kuusisaari
01.01.2010	00	-100	48	2	1	Kuusisaari
01.01.2010	00	-50	18	2	1	Kuusisaari

Validity begins: 01.01.2010 00  
 Validity ends: 01.01.2010 01  
 Balance: All  
 Area: All  
 Search Clear Close

### • Functions of the clipboard for regulation bids

- Print: Prints the contents of the table to a printer.
- Select all: Selects all clipboard data.
- Clear: Clears all clipboard data.
- Close: Returns to the main display.
- Export to table: Exports the contents of the clipboard to the table for entering bids as follows:
  - Hours, for which there are no lines on the clipboard, are left unchanged in the table for entering bids.
  - Hours with a time stamp but no quantity, price, balance, area or power station are cleared in the table for entering bids.
  - Hours with a time stamp and compulsory data replace bids which were in the table for entering bids.
  - The tabulator is used as the divider of data, but a semicolon or comma can also be used.

# Regulation bids and transactions

Regulation bids and trades / FG Object Period: 01.01.2010 01 - 01.01.2010 02 25.11.2008 10:53

Print Reporting... Close Date: 01.01.2010 Search ELSPOT 44 EUR

Regulation bids and trades

EUR	SEK	MW	Bidder	Balance	Area	Power station	Power	Start	Ends	Energy	Type	Balance	Area	Power station	
110.00	0.00	20	FG	Consumption	South	Lehtisaar...									
70.00	0.00	50	FG	Consumption	South	Lehtisaar...									
Up	50.00	0.00	30	FG	Consumption	South	Lehtisaar...								
Down	-45.00*	0.00	-10	FG	Consumption	South	Lehtisaar...	-10	0	00	-10	Special Regulation trade	Consumption	South	Lehtisaar...
	40.00	0.00	-20	FG	Production	North	Kuusisaar...	-20	0	00	-20	Regulation trade	Production	North	Kuusisaar...
	22.00	0.00	-100	FG	Production	North	Kuusisaar...								
	13.00	0.00	-50	FG	Production	North	Kuusisaar...								

Table Regulation bids and trades

Other trades

EUR	MW	Seller	Buyer	Start	Ends	Energy	Type	Balance	Power station	Explanation
39.50	-100	FGS	FG	0	15	-25	Quartrtrade	Consumption	Lehtisaar	
12.00	34	FG	FGS	0	60	34	Countertrade	Consumption	kuusisaari	

Table Other trades

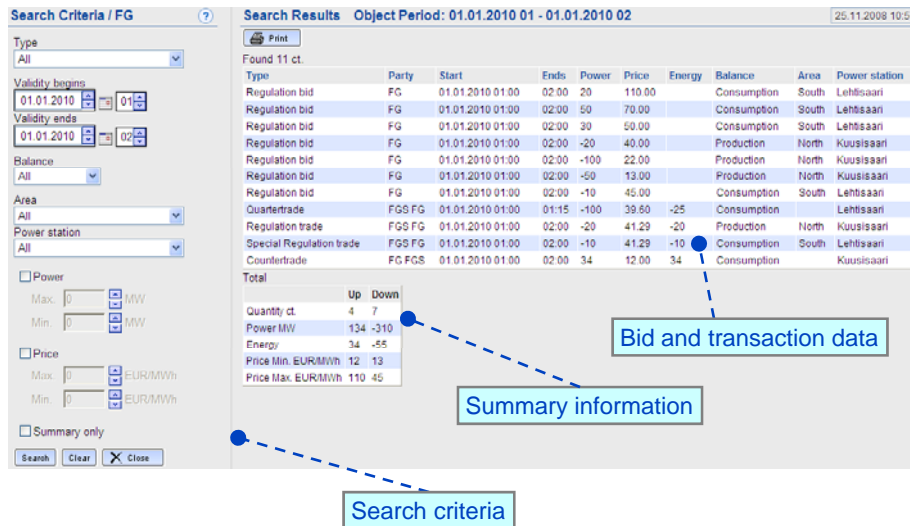
Summary informations

Offers	Down	Up
Number	4	3
Power	-180	100
Trades	Down	Up
Number	2	0
Energy	-30	0

Summary information

- **Purpose**
  - Monitoring of bids and activated transactions in the selected hour.
- **Data contents**
  - General: The display shows the up-regulation and down-regulation bids and transactions in a table arranged in the price order. Other transactions and summary information are presented in their own separate tables. The right top corner of the display shows the Elspot price of the hour in question.
- **Function keys of the display**
  - Print: Prints the display to a printer.
  - Reporting: Starts the search display for bids and transactions.
  - Close: Closes the display.
  - Search: Searches the selected day and hour on the display.
  - Filter: Presents the data selected on the basis of the heading row of the table.

# Reporting of bids and transactions



The screenshot displays the 'Search Criteria / FG' window with the following settings:

- Type: All
- Validity begins: 01.01.2010 01:00
- Validity ends: 01.01.2010 02:00
- Balance: All
- Area: All
- Power station: All
- Power: Max. 0 MW, Min. 0 MW
- Price: Max. 0 EUR/MWh, Min. 0 EUR/MWh
- Summary only:

The 'Search Results' window shows the following table:

Type	Party	Start	Ends	Power	Price	Energy	Balance	Area	Power station
Regulation bid	FG	01.01.2010 01:00	02:00	20	110.00			Consumption	South Lehtisaari
Regulation bid	FG	01.01.2010 01:00	02:00	50	70.00			Consumption	South Lehtisaari
Regulation bid	FG	01.01.2010 01:00	02:00	30	50.00			Consumption	South Lehtisaari
Regulation bid	FG	01.01.2010 01:00	02:00	-20	40.00			Production	North Kuusisaari
Regulation bid	FG	01.01.2010 01:00	02:00	-100	22.00			Production	North Kuusisaari
Regulation bid	FG	01.01.2010 01:00	02:00	-50	13.00			Production	North Kuusisaari
Regulation bid	FG	01.01.2010 01:00	02:00	-10	45.00			Consumption	South Lehtisaari
Quartertrade	FGS FG	01.01.2010 01:00	01:15	-100	39.60	-25		Consumption	South Lehtisaari
Regulation trade	FGS FG	01.01.2010 01:00	02:00	-20	41.29	-20		Production	North Kuusisaari
Special Regulation trade	FGS FG	01.01.2010 01:00	02:00	-10	41.29	-10		Consumption	South Lehtisaari
Countertrade	FG FGS	01.01.2010 01:00	02:00	34	12.00	34		Consumption	Kuusisaari

The 'Total' summary information is as follows:

	Up	Down
Quantity ct.	4	7
Power MW	134	-310
Energy	34	-55
Price Min. EUR/MWh	12	13
Price Max. EUR/MWh	110	45

Annotations in the screenshot point to:

- Search criteria:** The search criteria input fields on the left.
- Summary information:** The 'Total' summary table at the bottom of the results.
- Bid and transaction data:** The main table of search results.

## Purpose

- Search and presentation of bids and transactions, which have been saved in the database, in the browser window for various reporting needs.

## Search criteria functions

- Search criteria:
  - Type: Type of bid or transaction.
  - Validity begins: Time of beginning of search period..
  - Validity ends: Time of ending of search period.
  - Balance:
  - Area: Area of bid or transaction.
  - Power station: Power station relating to the bid or transaction.
  - Power, max, min: Use of power of bid or transaction in the search, maximum and minimum power.
  - Price, max, min: Use of price of bid or transaction in the search, maximum and minimum price.
  - Summary only: Data on individual bids and transactions are not printed, only the summary.
- Search: Searches the data which fulfils the search criteria.
- Clear: Returns the default values of the search criteria.
- Close: Closes the display and removes the window.