

# MT-GAS USER GUIDE

## TABLE OF CONTENTS

- Introduction ..... 2
- Types of users ..... 2
- Features of the portal ..... 3
  - Registration with the portal..... 3
  - Authentication ..... 4
  - Home page..... 4
    - User details and logout ..... 4
    - [A](#)uthorised participants ..... 5
    - [M](#)enu..... 5
    - Main content ..... 5
  - Filters and reports ..... 5
  - Participants’ page ..... 6
  - Users’ page ..... 6
  - Signature certificate management ..... 7
    - Signature support set-up ..... 7
    - Addition of a new signature certificate ..... 10
  - List of products ..... 11
  - Order book..... 13
  - Submission of bids/offers ..... 14
  - Change of bids/offers ..... 16
  - Order book details ..... 18
  - List of sessions ..... 19
  - Daily activity..... 20
  - List of bids/offers ..... 20
  - OTC Clearing ..... 21

Net position .....	23
Net delivery position .....	23
Deposit management .....	24
Summary of guarantees.....	25
Guarantee parameters .....	26
Holidays .....	26
Xml file upload.....	27
List of messages .....	28

## INTRODUCTION

This guide describes the features of the **MT-GAS (Forward Gas Market Platform)** portal. The guide is intended for participants, who will find here all the pages of the portal and the description of all the features that they may access.

## TYPES OF USERS

Similarly to the P-GAS and PB-GAS, the MT-GAS platform distinguishes between **users** and **participants**. The user has the credentials to participate in the MT-GAS platform and use its features. Each user may be associated with one or more gas market participants. Therefore, each transaction towards the system is carried out by the user on behalf of a participant.

The portal manages two types of users:

- **User:** conventional user authorised to use all the features available for participants, e.g. submitting transactions.
- **Viewer:** user authorised only to view the data without submitting transactions into the system.
- **MT-GAS user:** similar to the user, he/she may submit and manage bids/offers only for the products of the MT-GAS segment, i.e. all types of products except those for the MI and MGP. For MI and MGP products, this user acts as a viewer.
- **M-GAS user:** similar to the user, he/she may submit and manage bids/offers only for the products of the M-GAS segment, i.e. only the types of products for the MI and MGP. For the remaining types of products, this user acts as a viewer.

In this guide, unless otherwise specified, reference will be made to **users**.

The MT-GAS portal is integrated with the P-GAS and PB-GAS. Therefore, an MT-GAS user may be authorised for the P-GAS, PB-GAS or both or for no other portal. In the case of a multiple authorisation, the user shares the access and signature credentials (as shown later on) among the various platforms.

Likewise, a gas market participant may be authorised for one, more or all the platforms (PB-GAS, P-GAS, MT-GAS). The user accessing the MT-GAS will act only on behalf of participants in the MT-GAS.

## FEATURES OF THE PORTAL

This section describes the features offered by the portal. First, the user must obtain access to the portal. After completing all the procedures specified by the applicable legislation, the user must register with the portal as indicated in the following paragraphs.

### REGISTRATION WITH THE PORTAL

Go to the <https://gas.ipex.it/gaswebsite/Register.aspx> page and submit your credentials. When you try to access the page, you will get a pop-up (Figure 1). On this window, you may select the certificate to be used for future authentication with the portal. Select one certificate and click on **Ok**.

Commento [PA1]: Mettere il link corretto

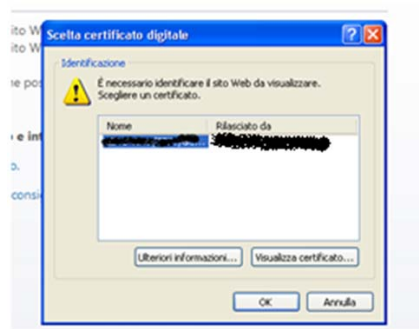


Figure 1: selection of authentication certificate

Figure captions

Select digital certificate

Identification

Identify the website that you wish to view

Name – issued by

Further information – view certificate

OK - cancel

In the page shown below, you may enter your key data for registration, i.e. your name and surname and the registered name/company name of the participant with whom/which you are associated. You may also add a textual note to your identification data.

### REGISTRATION DATA

name:	<input type="text" value="Utente"/>
surname:	<input type="text" value="Test"/>
market player:	<input type="text" value="Gas Demo S.p.A."/> x
notes:	<input type="text"/>
<input type="button" value="Reset"/> <input type="button" value="send"/>	

Figure 2: entry of key identification data

Figure captions

REGISTRATION DATA

Name

Surname

Market player/participant

Notes

Reset - Send

After filling in the required fields, click on **invia** (send) to enter your request into the system. You will receive a message about successful or unsuccessful completion of the request.

## AUTHENTICATION

Authentication with the portal takes place through a **client authentication certificate**.


After authentication, you will retain the credentials to operate on the portal until the session expires or is explicitly closed.

## HOME PAGE

Figure 3 displays the home page of the portal with the numbers of its four main sections, which are always available whatever the page opened by the user.

## USER DETAILS AND LOGOUT

Section **(1)** shows the name of the authenticated user and his/her role (**user**, **viewer**, **MT-GAS user** or **M-Gas user**). A drop-down menu, placed immediately beside the name, will permit you to select the language in which the content of the portal will be displayed. The content of the pages will be available in the selected language. By changing the language, you will be able not only change the textual parts, but also the date format, in Italian (*it-IT*) or English (*en-GB*), and the decimal separator for figures: comma (",") for Italian and point (".") for English.

By clicking on the  icon on the left side of the screen, you may quit the portal, closing the session. If you wish to access the portal again, you have to authenticate yourself again.

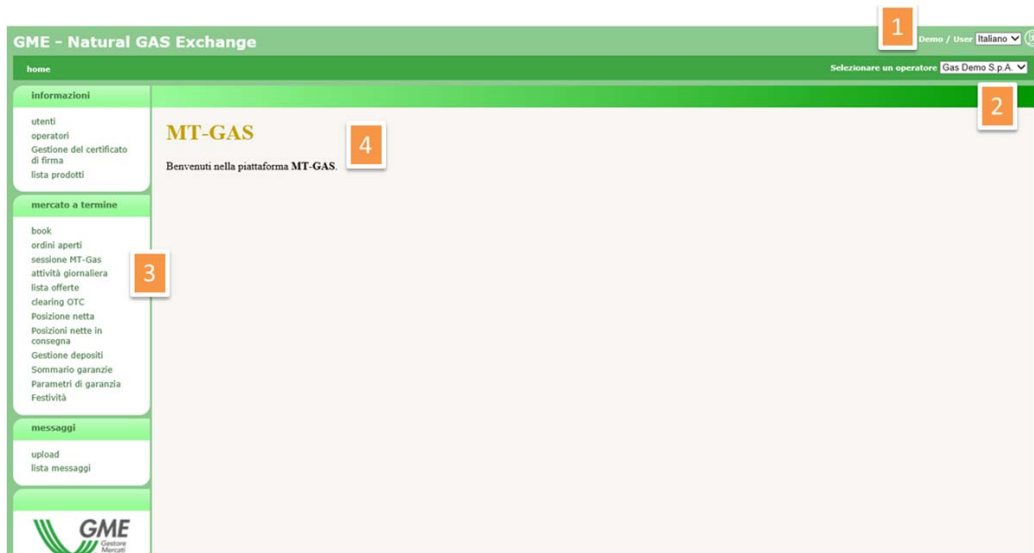


Figure 3: home page of the portal

Figure captions

1 - demo - user - italiano

Home - 2 - select one participant

4 - MT-GAS – welcome to the MT-GAS platform!

Data - Users - Participants - Signature certificate management - List of products  
3 – order book - forward market - open orders - MT-GAS session - daily activity - list of bids/offers - OTC clearing - net position - net delivery positions - deposit management - summary of guarantees - guarantee parameters - holidays  
ordersGAS/bids/offers - entry of bids/offers - statement of account  
Messages/upload – list of messages

## AUTHORISED PARTICIPANTS

Section **(2)** gives access to a drop-down menu with all the participants authorised to operate in the MT-GAS and represented by the current user. The transactions that the user carries out on the portal, e.g. entry of bids/offers, are associated with the participant selected on that menu.

## MENU

Section **(3)** is a menu with the link to all the pages that the user may reach. The **data** section gathers all the pages with useful information for users. The **forward market** section groups all the pages for bid/offer entry and monitoring, market session status and results, data on net positions and on the financial guarantee.

Finally, the **messages** section shows all the pages for uploading xml files and the list of input/output messages of the participants associated with the user.

## MAIN CONTENT

The last section **(4)** shows the content of the pages. The home page of Figure 3 contains messages to participants.

## FILTERS AND REPORTS

Before reviewing the pages of the portal, it is worth describing one feature that is common to all the pages showing a report.



Figure 4: Filters and Excel reports





Figure captions

Selling period (all)

Market date (19 Jul. 2013)

Product list

Product name – start date of trade – end date of trade – start date of sale – end date of sale – selling period – days – check price – control price – authorised (authorised) – message id

Each page with a report has a filter section, which is not usually shown when the page is opened. To show it, click on the  icon of the top-right group. Conversely, to hide it, click on the  icon. You will see the filter section where you may enter values to restrict the number of results shown by the underlying report. To download the report taking into account the appropriate filters, click on . Finally, you may export the report in Excel format by clicking on . After clicking on the latter icon, the page will prompt you to save the report in Excel format, showing all the results (obviously without the paging of results appearing on the web page).

For practical purposes, some filters are shown on the columns. Figure 4 (next-to-the-last column “abilitato” – authorised) contains a filter showing all the possible values. After changing the filter, refresh is automatic.

operatori	ragione soc.	cod. operatore
Gas Demo S.p.A.		00123GD
Gas Test s.r.l.		00123GT
gas buyer 1		BUY1

Figure 5: list of participants authorised to operate on the platform

Figure captions

Home – data – participants – select one participant

Data - users - participants - signature certificate management - list of products

Forward market - order book - - open orders - MT-GAS session - daily activity - list of bids/offers - OTC clearing - net position - net delivery positions

Participants – registered name – participant’s code

PARTICIPANTS’ PAGE

The [participants’](#) page displays the list of participants authorised to operate in the MT-GAS. This is a read-only page and only shows the registered name and the code of the participant.

USERS’ PAGE

The [users’](#) page is another read-only page displaying all the users authorised to operate on behalf on the participant selected on the top-right drop-down menu.

utenti	codice utente	nome	cognome	Descrizione	tel.	email	certificato	cert. di firma	operatori	abiliti	refresh
demo.user		Demo	User	User	1234	test@demo.org			Gas Test s.r.l.	<input checked="" type="checkbox"/>	10
gas buyer 1			User	User	1234				Gas Test s.r.l.	<input checked="" type="checkbox"/>	10

Figure 6: users’ page

Figure captions

Home – data – users – select one participant

Data - users - participants - signature certificate management - list of products

Forward market - order book –

Users – user’s code – name – surname – description – tel. no. – e-mail address – certificate – signature certificate – participants – authorised – refresh

Page – total number of pages – rows per page – rows from 1 to 2 – total number of rows: 2

The data in the table are as follows: user name, name and surname of the user, his/her role, data on the authentication and signature certificate, the participant on behalf on which/whom the user is authorised to operate (i.e. the current participant) and the specification of whether the user is authorised or not.

## SIGNATURE CERTIFICATE MANAGEMENT

To use a signature certificate, you must set up your computer in order to support software certification, as explained later on.

### SIGNATURE SUPPORT SET-UP

To authenticate with the portal and sign the content of messages, you must install a plug-in which supports certificate activities. First, download the installation file from GMECabs/GMECabs.exe.

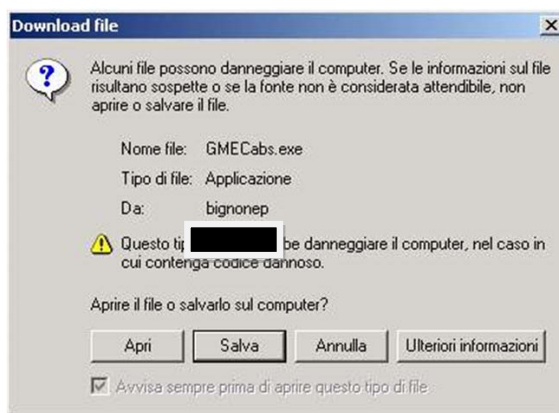


Figure 6: Plug-in download

#### Figure captions

Some files can harm your computer. If the file information below looks suspicious, or you do not fully trust the source, do not open or save this file.

File name: ...

File type: Application

From: ...

This type of file could harm your computer.

Would you like to open the file or save it to your computer?

Open - Save - Cancel - More Info

Always ask before opening this type of file

After completing the download, save the file without running it (Figure). Save the file to any directory, e.g. **c:\plugin**.

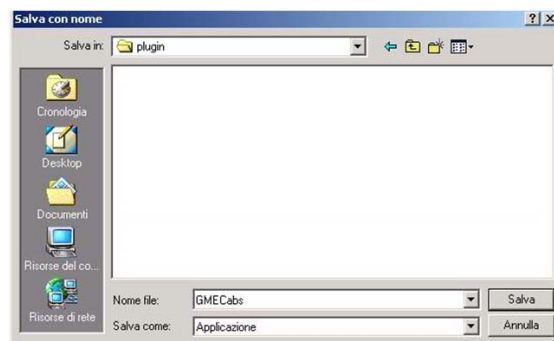


Figure 7: saving of installation file

Figure captions  
Save in: plugin  
My recent documents  
Desktop  
My documents  
My computer  
My network  
File name: GME Cabs  
Save as type: Application  
Save - Cancel

After saving the file, open an MS-DOS prompt window. On Windows **Start** menu, click on **Run** and enter **cmd**.



Figure 8: launching of MS-DOS window

Figure captions  
Run  
Type the name of a program, folder, document, or Internet resource, and Windows will open it for you  
Open  
OK - Cancel - Browse

Now, go to the directory where you have saved the installation file (e.g. **c:\plugin**) and enter **cd c:\plugin**.



Figure 7: access to the installation file directory

After entering into the **c:\plugin** directory, run the **GMECabs.exe** file, by entering **GMECabs.exe**, as shown in Figure 8.





Figure 8: running of GMECabs.exe.

Then, confirm the directory where the files will be extracted (e.g. **c:\plugin**).



Figure 9: directory where the files will be extracted

Finally, access the **GMECabs** subdirectory by entering the **cd GMECabs** command and run the **.bat** file as shown in Figure 11.

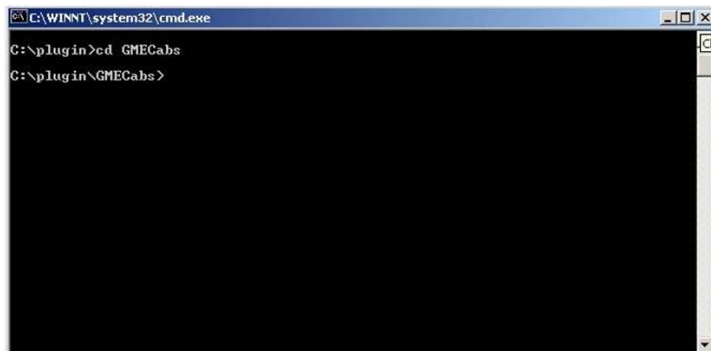


Figure 10: access to the GMECabs directory

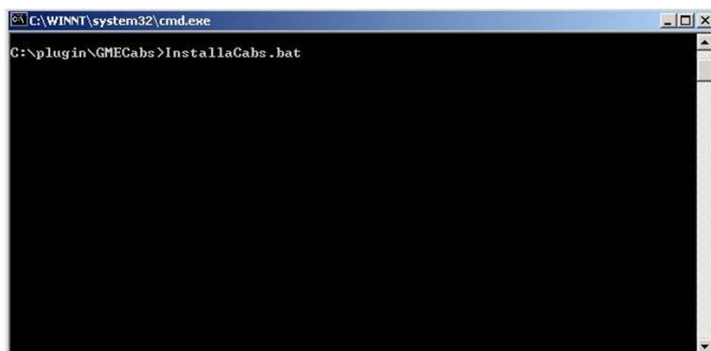


Figure 11: running of the .bat file.

Now, you may register with the system with your own certificate.

#### ADDITION OF A NEW SIGNATURE CERTIFICATE

By clicking on [gestione firma \(signature management\)](#), you access a page on which you may manage your signature certificate. If you have no signature certificate, the page will be as shown in Figure 12: through the **Aggiungi** (add) link, you may add a certificate.

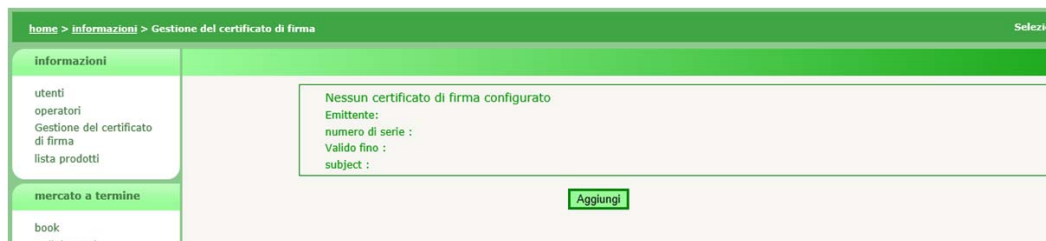


Figure 12: the user has no signature certificate but may add one on this page

Figure captions

Home – data – signature certificate management – select...

Data - users - participants - signature certificate management - list of products

Forward market - order book –

No certificate of signature has been configured

Issuer

Serial number

Valid until

Subject

Add

By clicking on **Aggiungi** (add), you may select the certificate that you wish to use (to sign the transactions to be entered into the system) among the ones installed in your computer. See Figure 13.

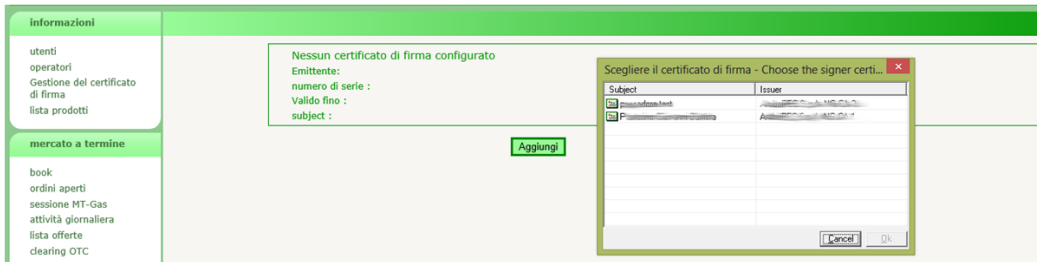


Figure 13: entry of new certificate

Figure captions

- Data – users – participants- signature certificate management – list of products
- Forward market – order book – open orders – MT-Gas session – daily activity – list of bids/offers – OTC clearing..
- No certificate of signature has been configured
- Issuer
- Serial number
- Valid until
- Subject
- Add

After selecting the certificate, its details will be shown on the page. At this stage, you have to confirm the entry of the certificate, by clicking on **Salva** (save).

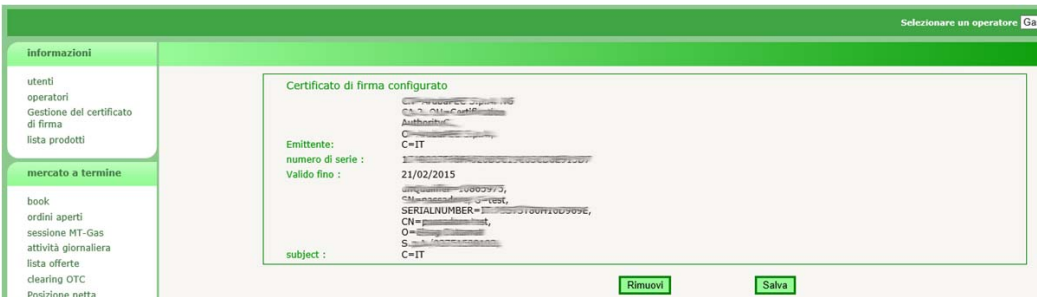


Figure 14: details of the certificate being entered

Figure captions

- Data – users – participants- signature certificate management – list of products
- Forward market – order book – open orders – MT-Gas session – daily activity – list of bids/offers – OTC clearing – net position
- The certificate of signature has been configured
- Issuer
- Serial number
- Valid until
- Subject
- Remove - save

After entry, the certificate must be authorised by the portal administrator in order to be used in the transactions.

## LIST OF PRODUCTS

The next page to be described is the one with the [list of products](#). It is a report with the products created on the platform. Only the products being traded on today's date will be shown by default. However, you may change the filter values, by accessing the hidden filter management window.

home > informazioni > lista prodotti Selezionare un operatore

Informazioni

utenti  
operatori  
Gestione del certificato di firma  
lista prodotti

mercato a termine

book  
ordini aperti  
sessione MT-Gas  
attività giornaliera  
lista offerte  
clearing OTC  
Posizione netta  
Posizioni nette in consegna  
Gestione depositi  
Sommarario garanzie  
Parametri di garanzia  
Festività

Periodo di vendita:  data mercato:

nome prodotto	Data inizio scambio	Data fine scambio	Data inizio vend	Data fine vendit	Periodo di vendita	Giorni di f.	prezzo di contro	control Price C	abilitato	Id messaggi
TEST-Y-2014	01/01/2013 00.00.00	31/12/2013 00.00.00	01/01/2014	31/12/2014	Annuale	30	32,000	0,50	<input checked="" type="checkbox"/>	23698
TEST-TY-2013	01/10/2012 00.00.00	30/09/2013 00.00.00	01/10/2013	30/09/2014	Anno solare termic	30	32,000	0,50	<input checked="" type="checkbox"/>	23697
TEST-B-2014-EST	01/04/2013 00.00.00	31/03/2014 00.00.00	01/04/2014	30/09/2014	Semestrale	30	32,000	0,50	<input checked="" type="checkbox"/>	23694
TEST-B-2013-INV	01/10/2012 00.00.00	30/09/2013 00.00.00	01/10/2013	31/03/2014	Semestrale	30	32,000	0,50	<input checked="" type="checkbox"/>	23693
TEST-Q-2014-3	01/07/2013 00.00.00	30/06/2014 00.00.00	01/07/2014	30/09/2014	Trimestrale	30	32,000	0,50	<input checked="" type="checkbox"/>	23689
TEST-Q-2014-2	01/04/2013 00.00.00	31/03/2014 00.00.00	01/04/2014	30/06/2014	Trimestrale	30	32,000	0,50	<input checked="" type="checkbox"/>	23688
TEST-Q-2014-1	01/01/2013 00.00.00	31/12/2013 00.00.00	01/01/2014	31/03/2014	Trimestrale	30	32,000	0,50	<input checked="" type="checkbox"/>	23687
TEST-Q-2013-4	01/10/2012 00.00.00	30/09/2013 00.00.00	01/10/2013	31/12/2013	Trimestrale	30	32,000	0,50	<input checked="" type="checkbox"/>	23686
TEST-MI-2013-7-19	18/07/2013 14.00.00	19/07/2013 15.30.00	19/07/2013	19/07/2013	Giornaliero di MI	30	0,50	0,50	<input checked="" type="checkbox"/>	23685
TEST-M-2013-8	01/05/2013 00.00.00	31/07/2013 00.00.00	01/08/2013	31/08/2013	Mensile	30	32,000	0,50	<input checked="" type="checkbox"/>	23683
TEST-BoM-2013-7-2	19/07/2013 00.00.00	19/07/2013 00.00.00	20/07/2013	31/07/2013	Balance of Month	30	32,000	0,50	<input checked="" type="checkbox"/>	23682

Pagina:  - N° totale pagine: 
 Righe per pagina: 
 Righe da 1 a 11 - N° di righe totali: 11

Figure 15: list of products

Figure captions

Home – data – list of products – select one participant

Data – users – participants- signature certificate management – list of products

Forward market – order book – open orders – MT-Gas session – daily activity – list of bids/offers – OTC clearing – net position – net delivery positions – deposit management – summary of guarantees – guarantee parameters – holidays

Selling period (all) – market date

Product name – start date of trade – end date of trade – start date of sale – end date of sale – selling period – days – check price – control price – authorised – message id

.... Yearly, thermal solar year, half-yearly, quarterly, MI daily, monthly, balance of month

Page – total no. of pages – rows per page – rows from to – total no. of rows

The displayed columns are as follows: product name, start and end dates of trading, start and end dates of delivery, selling period, supply days, check price, deviation from check price (percentage), specification of whether the product is enabled or not.

## ORDER BOOK

Now the [forward market section](#) will be described.

Figure 16 shows the [order book](#). Each row of the order book shows the products tradable at the time when the book is displayed. For each product, the system shows the best demand bids and supply orders, if any, and the details of their volumes and prices. The lower part of the order book shows the date and time of the latest order book update, which is periodical and automatic.

nome prodotto	acquisto		vendita	
	quantità	prezzo	prezzo	quantità
TEST-BoM-2013-7-20				
TEST-M-2013-8				
TEST-Q-2013-4				
TEST-Q-2014-1				
TEST-Q-2014-2			31,000	50
TEST-Q-2014-3				
TEST-B-2013-INV				
TEST-B-2014-EST				
TEST-Y-2014	2	27,400		
TEST-TY-2013				
TEST-MI-2013-7-19				

Ultimo aggiornamento : 19/07/2013 11.03.42

Figure 16: order book

### Figure captions

Home – data – list of products – select one participant

Data – users – participants- signature certificate management – list of products

Forward market – order book – open orders – MT-Gas session – daily activity – list of bids/offers – OTC clearing – net position – net delivery positions – deposit management – summary of guarantees – guarantee parameters

Order book

Product name – purchase – sale

Volume – price

Latest update


To change the refresh time, click on the top-left  icon and enter the refresh time in seconds, as shown in Figure 17.


Figure 17: change of the refresh time

### Figure captions

Change refresh time – refresh time – sec – send – cancel

## SUBMISSION OF BIDS/OFFERS

A user with **user** privileges (or with **MT-Gas user** or **M-Gas user** privileges, but only for the applicable products) may submit bids/offers by interacting with the order book in various modes, which give rise to the opening of a pop-up window with all the fields needed to submit a bid/offer (Figure 18).

In the first mode, the user clicks on the  icon. He/she will get a pop-up window only with the pre-compiled fields pertaining to the selected mode and date of expiration.

You may click on the name of the product to open a pop-up window for entering a bid/offer for the selected product.

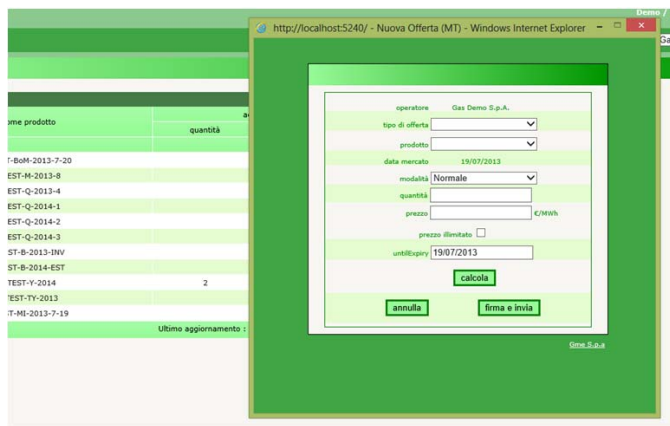


Figure 18: bid/offer entry pop-up window

Figure captions  
New bid/offer (MT)  
Participant  
Type of bid/offer  
Product  
Market date  
Mode (normal)  
Volume  
Price  
Unlimited price  
Until expiry  
Compute – cancel – sign and send

Finally, you may click on the cell with the buying or selling price. This causes the opening of a pop-up window with the preselected product name and type of bid/offer (the type of bid/offer is opposite the one of the cell on which you have clicked; therefore, if you have clicked on the cell with the buying price, the preselected type of purchase will be sale).

If the cell already shows a price (i.e. there is already a bid/offer in the order book), the pop-up window captures the price and volume and shows them in the respective input fields. However, you may change the values before submitting the bid/offer.

Among the editable fields of the order entry pop-up window, you may note the one concerning the mode of entry of the bid/offer: **normal**, **execute and cancel** and **execute or cancel**. In the **execute and cancel** mode, the bid/offer is shown in the order book, marched for the matchable volume and then removed from the order book. If there are no

bids/offers of opposite sign, the bid/offer will remain in the order book until it is matched in full or in part. After the matching, it is removed.

In the **execute or cancel** mode, the bid/offer is totally matched; if, upon the presentation in the order book, this is not possible, the bid/offer is removed.

The unlimited price checkbox makes it possible to match the bid/offer with all the bids/offers available in the order book (for the product under review) but only for the matchable volume.

The expiration date makes it possible to specify the market date until which the offer must be presented in the order book. After the date has expired, the bid/offer is automatically revoked.

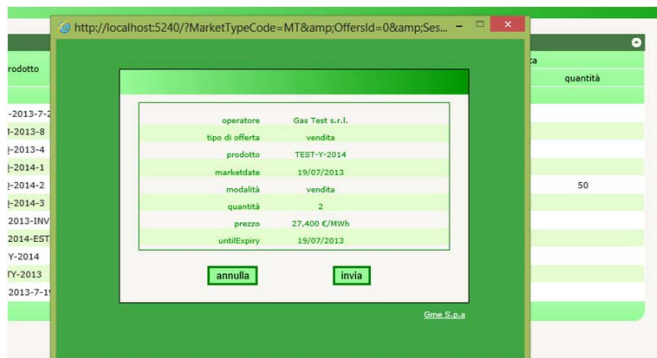


Figure 19: signature preview

Figure captions  
Participant  
Type of bid/offer (sale)  
Product  
Market data  
Mode (sale)  
Volume (2)  
Price  
Cancel - send

By clicking on the **firma e invia** (send and sign) button, you may get a preview, which also represents the digitally signed document.

By clicking on **invia** (send), you will enter the bid/offer into the system and you may download the FA by clicking on the **Carica FA** (load FA) button.

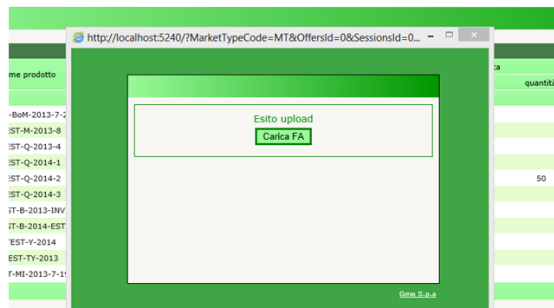


Figure 20: loading of the FA

Figure captions  
 Upload result  
 Load FA

After the system has processed the bid/offer, it will show the link of Figure 21. The data specified between brackets refer to the number of successful transactions. In the example, one of one, i.e. [1/1].

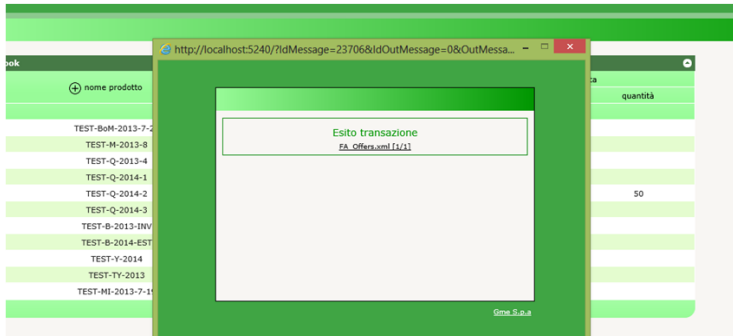


Figure 21: transaction result

Figure captions  
 Transaction result

## CHANGE OF BIDS/OFFERS

You may change the details and status of one of your bids/offers in the period in which the market session is open for trading.

To do so, go to the [ordini aperti](#) (open orders) page shown in Figure 22.

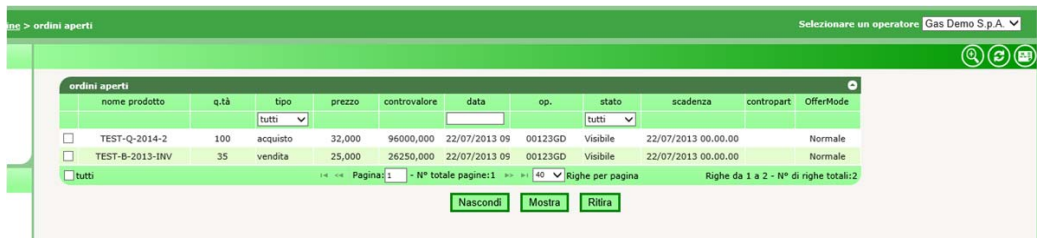


Figure 22: open orders page

Figure captions  
 Open orders – select one participant  
 Open orders  
 Product name (... all)  
 volume  
 Type (all-purchase-sale)  
 Price  
 Value  
 Date  
 Participant  
 Status (all-visible)  
 Expiration  
 Counterparty  
 Offermode (normal)  
 Page – total no.of pages – rows per page – rows from ... to... - total no.of rows  
 Hide – show – withdraw



The columns of the table show the product name, the submitted volume, the type of bid/offer, the submitted price, the total value, the participant's code, the status of the bid/offer, its expiration, the possible OTC counterparty and the mode of submission (**normale, esegui e cancella, esegui o cancella** – normal, execute and cancel, execute or cancel).

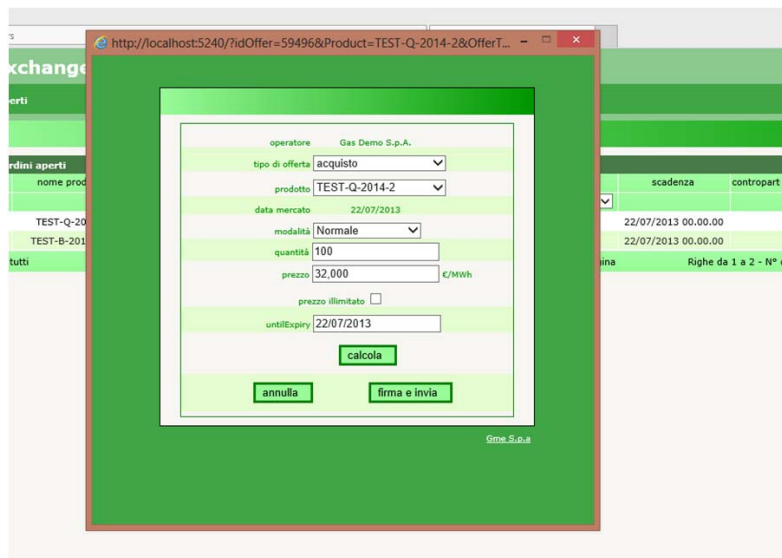


Figure 23: change of a bid/offer

Figure captions  
 Participant  
 Type of bid/offer (purchase)  
 Product  
 Market data  
 Mode (normal)  
 Volume  
 Price  
 Unlimited price  
 Until expiry  
 Calculate  
 Cancel – sign and send

Clicking on one row of the table will open a pop-up window similar to the bid/offer entry one. On this window, you may change the details of the bid/offer, e.g. its price and volume.

Conversely, by clicking on the checkbox in the first column (select the **tutti** (all) checkbox to select all the visible rows), you may change the status of the selected bids/offers, pushing the three buttons underlying the table. By pressing **Nascondi** (hide), you may temporarily hide a bid/offer, so that it will no longer be visible in the order book and thus no longer matchable.

The **Mostra** (display) button makes hidden bids/offers visible, so that they will reappear in the order book. The **Ritira** (withdraw) button will definitively revoke a bid/offer.

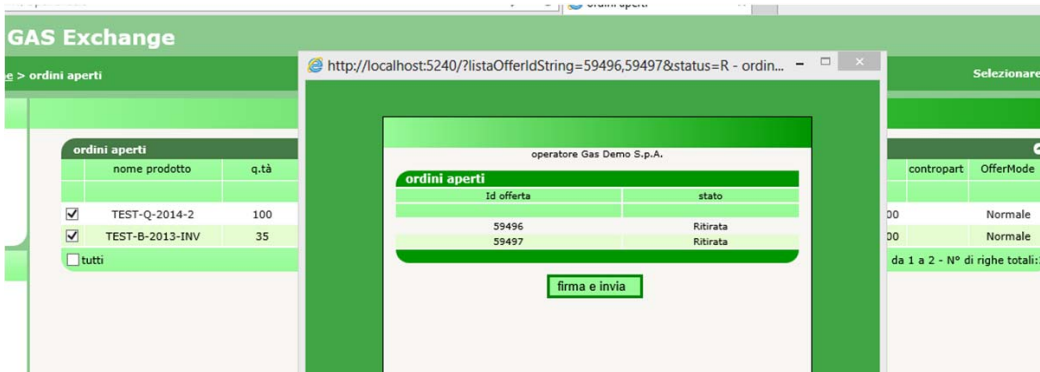


Figure 24: status change procedure

Figure captions

Participant

Open orders


Bid/offer id – status

Sign and send

After pressing one of the three buttons, a pop-up window will show a summary of the transactions being entered. By clicking on **firma e invia** (sign and send), you may sign the form and then wait for the result, as shown in Figures 20 and 21.

After changing a bid/offer or its status, the bid/offer loses its time priority with respect to the other bids/offers already present in the order book. Therefore, price remaining equal, a bid/offer that has been changed or whose status has been changed will be the one with the lowest priority among those present in the order book upon the change.

## ORDER BOOK DETAILS

Going back to the [order book](#), you will see the statistical details of the products and bids/offers that have been matched by clicking on the  icon and displaying the form of Figure 25.

nome prodotto	MarketSic	giorni	prezzo di con	volume	Prezzo di rife	Prezzo massi	Prezzo minimi	LastMarket	LastTime	LastPrice	LastQuantity	Change	Grafico	
TEST-BoM-2013-7-23		30	32,000	0	0	0	0			0	0	=	Grafico	
TEST-M-2013-8		30	32,000	0	0	0	0			0	0	=	Grafico	
TEST-Q-2013-4		30	32,000	0	0	0	0			0	0	=	Grafico	
TEST-Q-2014-1		30	32,000	0	0	0	0			0	0	=	Grafico	
TEST-Q-2014-2	vendita	30	32,000	450	32,000	32,000	32,000	vendita	22/07/2013	0	32,000	15	=	Grafico
TEST-Q-2014-3		30	32,000	0	0	0	0			0	0	=	Grafico	
TEST-B-2013-INV	acquisto	30	32,000	2400	29,500	33,000	25,000	acquisto	22/07/2013	0	33,000	45	↑	Grafico
TEST-B-2014-EST		30	32,000	0	0	0	0			0	0	=	Grafico	
TEST-Y-2014		30	32,000	0	0	0	0			0	0	=	Grafico	
TEST-TY-2013		30	32,000	0	0	0	0			0	0	=	Grafico	
TEST-MI-2013-7-22		30	32,000	0	0	0	0			0	0	=	Grafico	

Righe da 1 a 11 - N° di righe totali:11

Figure 25: order book details

Figure captions

Order book details

Product name - market... (sale-purchase) – days - check price – volume - reference price – max price – min price – lastMarket... (sale-purchase) -

lastPrice – lastQuantity – change – graph

Rows from ... to .... – total no.of rows

In the table, you may view data such as: name and other specific data of the product, volume traded, reference price, maximum and minimum price, date of latest matching, latest matched volume. You may check whether the reference price is increasing or decreasing and view a graph showing the matchings over time with the related prices and volumes.

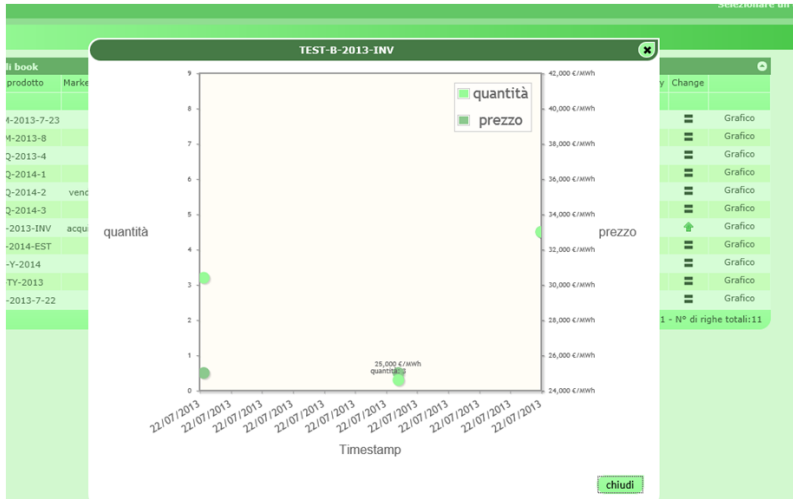


Figure 26: graph of matchings

Figure captions  
Volume – price  
Close

## LIST OF SESSIONS

On the [sessioni mt-gas](#) (MT-GAS sessions) page, you may view the status of the market sessions (Figure 27), with details such as: market date, opening and closing time, session status and, if the session is closed, some details, such as the maximum and minimum price, the reference price and the volume traded.

sessione MT-Gas					
id sessione	data	apertura	chiusura	stato	
	22/07/1998 - 22/07/2013				
58114	22/07/2013	22/07/2014 07.00.00	22/07/2014 06.00.00	DEL	
<b>58476</b>	<b>22/07/2013</b>	<b>22/07/2013 08.33.38</b>	<b>22/07/2013 13.00.00</b>	<b>APERTA</b>	
57383	21/07/2013	21/07/2014 07.00.00	21/07/2014 06.00.00	DEL	
57748	21/07/2013	21/07/2013 07.00.00	21/07/2013 06.00.00	NEW	
58113	21/07/2013	21/07/2014 07.00.00	21/07/2014 06.00.00	DEL	
57382	20/07/2013	20/07/2014 07.00.00	20/07/2014 06.00.00	DEL	
57747	20/07/2013	20/07/2013 07.00.00	20/07/2013 06.00.00	NEW	
58112	20/07/2013	20/07/2014 07.00.00	20/07/2014 06.00.00	DEL	
57381	19/07/2013	19/07/2014 07.00.00	19/07/2014 06.00.00	DEL	
57745	19/07/2013	19/07/2013 08.45.00	19/07/2013 13.00.00	CHIUSA	Max price: <b>27,400</b> Min price: <b>25,000</b> Ref price: <b>25,218</b> Volume: <b>22</b>
58111	19/07/2013	19/07/2014 07.00.00	19/07/2014 06.00.00	DEL	
56285	18/07/2013	18/07/2013 16.54.00	18/07/2013 21.00.00	CHIUSA	Max price: <b>0</b> Min price: <b>0</b> Ref price: <b>0</b> Volume: <b>0</b>
57380	18/07/2013	18/07/2014 07.00.00	18/07/2014 06.00.00	DEL	

Figure 27: market sessions

Figure captions  
MT-GAS session  
Session id – date – opening – closing – status (del – open – new closed) Participant

The statuses of the sessions may be:

- DEL: cancelled.
- NEW: new.
- PRED: prepared for opening.
- OPEN: open for trading.
- SUSP: temporarily suspended (participants are not allowed to trade).
- TERM: ended (participants are not allowed to trade).
- CLOS: closed and confirmed.

## DAILY ACTIVITY

The [attività giornaliera](#) (daily activity, Figure 28) page shows all the activity of a single participant in terms of movements in the order book: product name, submitted volume, type of bid/offer, submitted price, total value, participant's code, bid/offer status, timestamp, possible code of the OTC counterparty, bid/offer mode, user that has carried out the transaction, total volume, transaction carried out, unique id of the bid/offer, possible matching id and possible error code, if the bid/offer has been rejected (by placing the pointer of the mouse on the code, you will see a tooltip with a descriptive text of the error).

nome prod.	q.tà	tipo oper.	prezzo	controval	Codice Operatore	stato	timestamp	controparte C	OfferMode	utente	volume	operazione	id off.	id abb.nti	error
TEST-B-201	45	acquisto	33,000	44550,00(00123GD		abbinata	22/07/2013 09.21.4		Normale	demo.user	1350	abbinata	59504	5027	
TEST-B-201	45	acquisto	33,000	44550,00(00123GD		sottomessa	22/07/2013 09.21.4		Normale	demo.user	1350	sottomessa	59504		
TEST-B-201	3	vendita	25,000	2250,000(00123GD		abbinata	22/07/2013 09.20.3		Normale	demo.user	90	abbinata	59497	5026	
TEST-B-201	3	acquisto	25,000	2250,000(00123GD		scartata	22/07/2013 09.20.1		Normale	demo.user	90	scartata	59502		
TEST-B-201	3	acquisto	25,000	2250,000(00123GD		sottomessa	22/07/2013 09.20.1		Normale	demo.user	90	sottomessa	59502		
TEST-B-201	23	acquisto	26,000	17940,00(00123GD		scartata	22/07/2013 09.19.5		Normale	demo.user	690	scartata	59501		
TEST-B-201	23	acquisto	26,000	17940,00(00123GD		sottomessa	22/07/2013 09.19.5		Normale	demo.user	690	sottomessa	59501		
TEST-B-201	3	vendita	25,000	2250,000(00123GD		sottomessa	22/07/2013 09.19.C		Normale	demo.user	90	residua	59497		
TEST-B-201	32	vendita	25,000	24000,00(00123GD		sottomessa	22/07/2013 09.19.C		Normale	demo.user	960	abbinata	59497	5025	
TEST-Q-201	85	acquisto	32,000	81600,00(00123GD		sottomessa	22/07/2013 09.18.4		Normale	demo.user	2550	residua	59496		
TEST-Q-201	15	acquisto	32,000	14400,00(00123GD		sottomessa	22/07/2013 09.18.4		Normale	demo.user	450	abbinata	59496	5024	
TEST-B-201	35	vendita	25,000	26250,00(00123GD		sottomessa	22/07/2013 09.01.5		Normale	demo.user	1050	sottomessa	59497		
TEST-Q-201	100	acquisto	32,000	96000,00(00123GD		sottomessa	22/07/2013 09.01.4		Normale	demo.user	3000	sottomessa	59496		
TEST-Q-201	50	vendita	31,000	46500,00(00123GD		revocata	19/07/2013 13.00.C		Normale	demo.user	1500	revocata	59491		
TEST-Y-201	2	acquisto	27,400	1644,000(00123GD		abbinata	19/07/2013 12.15.5		Normale	demo.user	60	abbinata	59492	5023	
TEST-Q-201	30	vendita	25,000	22500,00(00123GD		abbinata	19/07/2013 12.08.5		Esegui e cancella	demo.user	900	residua	59493		
TEST-Q-201	20	vendita	25,000	15000,00(00123GD		abbinata	19/07/2013 12.08.5		Esegui e cancella	demo.user	600	abbinata	59493	5022	
TEST-Q-201	50	vendita	25,000	37500,00(00123GD		sottomessa	19/07/2013 12.07.4		Esegui e cancella	demo.user	1500	sottomessa	59493		
TEST-Y-201	2	acquisto	27,400	1644,000(00123GD		sottomessa	19/07/2013 10.46.5		Normale	demo.user	60	sottomessa	59492		
TEST-Q-201	50	vendita	31,000	46500,00(00123GD		sottomessa	19/07/2013 10.46.2		Normale	demo.user	1500	sottomessa	59491		

Figure 28: daily activity

Figure captions

Daily activity

Product name – volume – type of transactions (purchase-sale) – price – value – participant's code – status (matched, submitted, discarded, revoked) – timestamp – counterparty... – OfferMode – user – volume – transaction (matched – submitted – discarded – revoked – residual) – offer id – matching id – error

Page – total no.of pages – rows per page – rows from... to ... - total no.of rows

## LIST OF BIDS/OFFERS

The [lista offerte](#) (bids/offers page, Figure 29) lists the bids/offers for the selected participant.

lista offerte														
nome prodotto	q.tà	tipo	prezzo	controvalore	data	op.	stato	scadenza	controparte	OfferMode	utente	p.acc.	q.tà res.	fittizio
TEST-B-2013-INV	45	acquisto	33,000	44550,000	22/07/2013 0	00123GD	abbinata	22/07/2013 00.		Normale	demo.user		0	non fittizio
TEST-B-2013-INV	3	acquisto	25,000	2250,000	22/07/2013 0	00123GD	scartata	22/07/2013 00.		Normale	demo.user		3	non fittizio
TEST-B-2013-INV	23	acquisto	26,000	17940,000	22/07/2013 0	00123GD	scartata	22/07/2013 00.		Normale	demo.user		23	non fittizio
TEST-B-2013-INV	35	vendita	25,000	26250,000	22/07/2013 0	00123GD	abbinata	22/07/2013 00.		Normale	demo.user		0	non fittizio
TEST-Q-2014-2	100	acquisto	32,000	96000,000	22/07/2013 0	00123GD	sottomessa	22/07/2013 00.		Normale	demo.user		85	non fittizio

Pagina: 1 - N° totale pagine: 1 Righi per pagina: 40 Righi da 1 a 5 - N° di righe totali: 5

Figure 29: list of bids/offers

List of bids/offers

Product name – volume – type (purchase-sale) – price – value – date - participant – status (matched, discarded, submitted) – expiration-counterparty... - OfferMode (normal) – user (demo.user) – accepted price – remaining volume – fictitious (non-fictitious)  
 Page – total no.of pages – rows per page – rows from... to ... - total no.of rows

The page shows details such as: product name, submitted volume, type of bid/offer, submitted price, value, date of submission, participant’s code, bid/offer status, date of expiration, possible OTC counterparty, bid/offer mode, user that has managed the bid/offer, the possible accepted price, the remaining volume and the specification whether the bid/offer is real or fictitious. A real (non-fictitious) bid/offer is instead generated by the system when a product undergoes cascading and the participant has matched bids/offers for that product.

OTC CLEARING

The [clearing OTC](#) (OTC clearing) page enables participants to generate matchings derogating from the rules of the platform, by specifying the counterparty (OTC counterparty).

Figure 30 shows two specific reports of a participant. The first report shows the currently active OTC bids/offers (not yet matched) proposed by the same participant. The second reports shows the currently active OTC bids/offers received by the same participant.

Proposte OTC inviate														
nome prodotto	q.tà	tipo	prezzo	controvalore	data	op.	stato	scadenza	controparte OTC	utente	p.acc.	q.tà res.		
TEST-BoM-2013-7-23	50	vendita	31,000	46500,000	22/07/2013	00123GT	sottomessa	22/07/2013 00.00	00123GD	demo.user				

Pagina: 1 - N° totale pagine: 1 Righi per pagina: 40 Righi da 1 a 1 - N° di righe totali: 1

Proposte OTC ricevute														
nome prodotto	q.tà	tipo	prezzo	controvalore	data	op.	stato	scadenza	utente	p.acc.	q.tà res.			
TEST-TY-2013	50	acquisto	24,000	36000,000	22/07/2013	00123GD	sottomessa	22/07/2013 00.00	demo.user					

Pagina: 1 - N° totale pagine: 1 Righi per pagina: 40 Righi da 1 a 1 - N° di righe totali: 1


Figure 30: OTC clearing

OTC bids/offers sent

Product name – volume – type of transactions (sale) – price – value – date - participant – status (submitted) – expiration - OTC counterparty - user accepted price – remaining volume  
 Page – total no.of pages – rows per page – rows from... to ... - total no.of rows

OTC bids/offers received

Product name – volume – type of transaction (purchase) – price – value – date - participant – status (submitted) – expiration – user - accepted price – remaining volume  
 Page – total no.of pages – rows per page – rows from... to ... - total no.of rows

To submit a new OTC bid/offer, click on the  icon by opening a pop-up window that is almost identical to the one for bid/offer entry (Figure 31).



Contrary to the standard submission window, this one shows two more mandatory fields: OTC code and OTC counterparty. The first must be the alphanumerical code agreed between the parties, specified by the person submitting the bid/offer and confirmed by the person accepting the bid/offer. Conversely, the OTC counterparty is the participant with whom/which the OTC matching is to be done.


te OTC inviate	prodotto	q.tà	tipo
M-2013-7-23		50	vendita


te OTC ricevute	prodotto	q.tà	tipo
-TY-2013		50	acquisto

Figure 31: submission of an OTC bid/offer

Participant  
 Type of bid (purchase)  
 Product  
 Market date  
 Volume  
 Price  
 Until expiry  
 OTC code  
 OTC counterparty  
 Details  
 Calculate  
 Cancel – sign and send

A participant that has received an OTC proposal may decide to confirm or reject it by acting on the   icons visible in the second report.

By clicking on  the participant accepts the bid/offer. Before finalizing the matching, the system will open an OTC bid/offer submission pop-up window with all the fields precompiled except for the OTC code to be confirmed by the participant.

In contrast, by clicking on , the participant will reject the bid/offer submitted by the counterparty. The system will open a pop-up windows with the preview of the form, to be signed and sent.

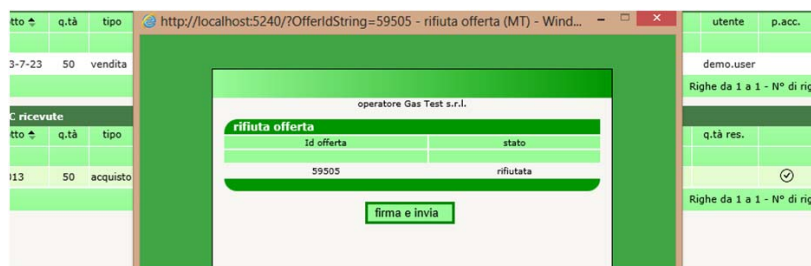


Figure 32: rejection of an OTC bid/offer

Active OTC bids/offers may be changed and revoked through the usual open orders page.

ordini aperti										
nome prodotto	q.tà	tipo	prezzo	controvalore	data	op.	stato	scadenza	contropart	OfferMode
<input type="checkbox"/> TEST-B-2013-INV	20	acquisto	26,000	15600,000	22/07/2013 09	00123GT	Visibile	22/07/2013 00.00.00		Normale
<input type="checkbox"/> TEST-BoM-2013-7-23	50	vendita	31,000	46500,000	22/07/2013 09	00123GT	Visibile	22/07/2013 00.00.00	00123GD	Normale

tutti    << >>    Pagina: 1    - N° totale pagine: 1    >>>    40    Righe per pagina    Righe da 1 a 2 - N° di righe totali: 2

Figure 33: open orders with OTC bids/offers

Also the [attività giornaliera](#) (daily activity) and [lista offerte](#) (list of bids/offers) pages show the OTC bids/offers, which are easily identifiable because the OTC counterparty column is filled in.

## NET POSITION

The [posizione netta](#) (net position) page of Figure 34 displays the net positions for matched orders pertaining to the products being traded.

Posizione netta				
op.	ragione sociale	nome prodotto	Periodo di vendita	pos. netta
00123GD	Gas Demo S.p.A.	TEST-B-2013-INV	Semestrale	-10
00123GD	Gas Demo S.p.A.	TEST-Q-2014-2	Trimestrale	-15

tutti    << >>    Pagina: 1    - N° totale pagine: 1    >>>    40    Righe per pagina    Righe da 1 a 2 - N° di righe totali: 2

Figure 34: net position

Net position

Participant – registered name – product name – selling period (half-yearly-quarterly) – net position

Page – total no. of pages – rows per page – rows from... to ... - total no. of rows

Products whose net position is zero are not displayed.

## NET DELIVERY POSITION

The [posizione netta in consegna](#) (net delivery position) page shows the net position to be delivered to SNAM Rete Gas, only for the MGP and MI products. This net position considers both real matchings and those arising from the cascading mechanism.

Termine > Posizioni nette in consegna Selezionare un operatore Gas Test s.r.l.

Posizioni nette in consegna							
SRGKey	op.	ragione sociale	data flusso	DeliveredQuan	RefusedQuanti	ConfirmedBySI	nome prodotto
20130722MI00123GT	00123GT	Gas Test s.r.l.	22/07/2013 00	50,00		<input type="checkbox"/>	TEST-MI-2013-7-22

Pagina: 1 - N° totale pagine: 1    Righe da 1 a 1 - N° di righe totali: 1

Figure 35: net delivery position

Net delivery positions – select one participant

Net delivery positions

Participant – registered name – flow date – delivered volume – refused volume – confirmed by – product name


Page – total no.of pages – rows per page – rows from... to ... - total no.of rows

The displayed data are only the following: unique code of the net position delivered to SNAM Rete Gas, participant's code, participant's registered name, flow date pertaining to the delivery, volume delivered, possible volume rejected by SNAM Rete Gas, specification of whether SNAM Rete Gas has already confirmed or not confirmed the net position delivered and the name of the reference product.

## DEPOSIT MANAGEMENT

On the [gestione depositi](#) (deposit management) page, you may view the situation of the deposits for the participants that you represent.

The first report shows data such as the code and registered name of the participant, the initial amount of the deposits and the last date of payment.

By clicking on  you will open the underlying report, with details about the deposits and the credit/debit adjustments.

Gestione depositi				
op.	ragione sociale	Quantità iniziale	ultima data pagata	
00123GD	Gas Demo S.p.A.	100000,00 	01/05/2013	
00123GT	Gas Test s.r.l.	150000,00 	01/04/2013	

N° di righe totali: 2

**dettagli operatore : Gas Demo S.p.A.**

visualizza garanzie chiuse

mkplDetail					
AccountActivityId	Descrizione movimento	Quantità iniziale	Note	Data di flusso	Chiuso
82680	Financial Guarantee	100000,00		01/01/0001	<input type="checkbox"/>
82682	Adjustment	1300,00		22/07/2013	<input type="checkbox"/>

Pagina: 1 - N° totale pagine: 1    Righe per pagina    Righe da 1 a 2 - N° di righe totali: 2

Figure 36: deposit management

Deposit management

Participant – registered name – initial volume – last date of payment

Total no. of lines

Details of participant

Show closed guarantees

mkplDetail

AccountActivityId – movement description (financial guarantee – adjustment) – initial volume – notes – flow date – closed

Page – total no.of pages – rows per page – rows from... to ... - total no.of rows

Close details



By checking the **visualizza garanzie chiuse** (show closed guarantees) box, you may view possible closed deposits and credit/debit adjustments.

## SUMMARY OF GUARANTEES

On the **sommario garanzie** (summary of guarantees) page, you may view the status of the financial guarantees of the participants that you represent (Figure 37). For each participant, the page shows the code, the registered name, the original amount of the guarantee and the two main indicators:  $CG_{fut}$  and  $CG_{m0}$ .

op.	ragione sociale	garanzia prestata	CGfut	CGm0	
00123GD	Gas Demo S.p.A.	2000000,00	52055,48	55060,48	dettagli
00123GT	Gas Test s.r.l.	150000,00	-65480,00	-65480,00	dettagli

N° di righe totali:2

Figure 37: summary of guarantees

Summary of guarantees

Summary of guarantees

Participant – registered name – posted guarantee - ... - details

Page – total no.of pages – rows per page – rows from... to ... - total no.of rows

If, instead, you click on **dettagli** (details), you will get a pop-up window with the details of the financial guarantee formulas, where you may identify all the components and the related amount (Figure 38).

**dettagli operatore : Gas Demo S.p.A.**

$$CG_{FUT} = G + PF_{Past} + EC_{FUT} + EP_{FUT} - EF_{FUT} + CA - DA + \text{Min}(0; E_{M0})$$

$$CG_{M0} = G + PF_{Past} + EC_{FUT} + EP_{FUT} - EF_{FUT} + CA - DA + E_{M0}$$

componente	valore
CG_fut	52055,480
CG_m0	55060,480
G	1940000,000
PF_past	-542,520
EC_fut	-58058,000
EP_fut	-1829344,000
EF_fut	0
CA	0
DA	0
Min_0_E_m0	0
E_m0	3005,000

Chiudi

Figure 38: details of financial guarantee

Details of guarantees

Details of participant

Details

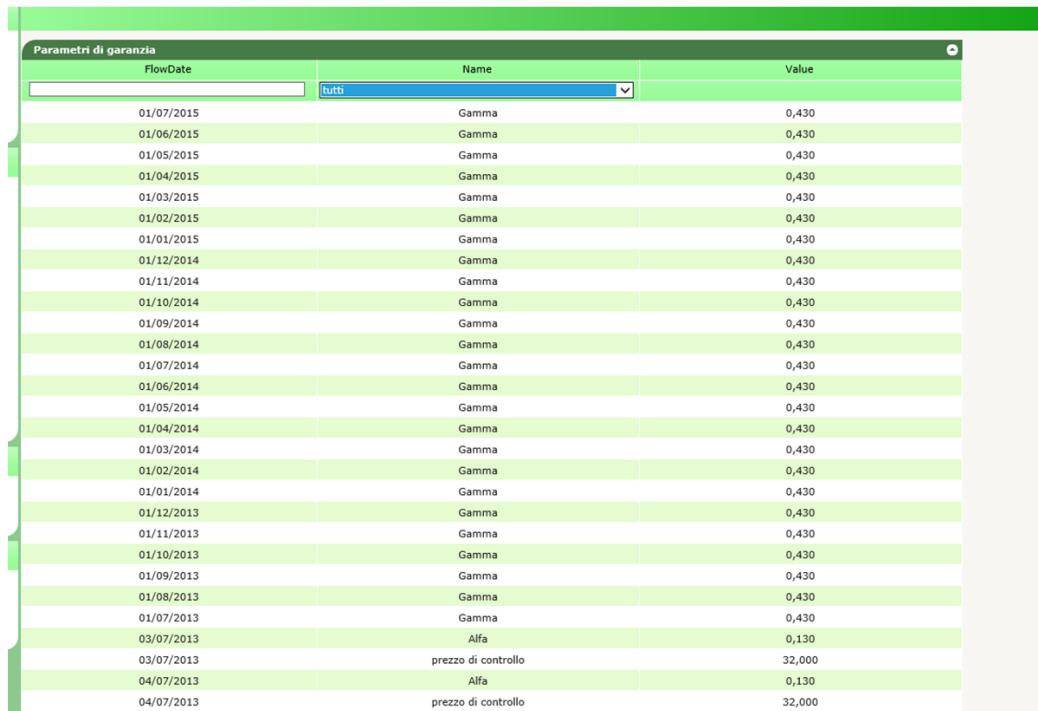
Component – value

Close

## GUARANTEE PARAMETERS

You may display the main parameters of the calculation of the financial guarantee, such as  $\alpha$  and  $\gamma$  or the daily check prices.

Figure 39 exhibits the [parametri di garanzia](#) (guarantee parameters) page; you may refine this report by showing a single date range or a particular type of parameter.



FlowDate	Name	Value
	tutti	
01/07/2015	Gamma	0,430
01/06/2015	Gamma	0,430
01/05/2015	Gamma	0,430
01/04/2015	Gamma	0,430
01/03/2015	Gamma	0,430
01/02/2015	Gamma	0,430
01/01/2015	Gamma	0,430
01/12/2014	Gamma	0,430
01/11/2014	Gamma	0,430
01/10/2014	Gamma	0,430
01/09/2014	Gamma	0,430
01/08/2014	Gamma	0,430
01/07/2014	Gamma	0,430
01/06/2014	Gamma	0,430
01/05/2014	Gamma	0,430
01/04/2014	Gamma	0,430
01/03/2014	Gamma	0,430
01/02/2014	Gamma	0,430
01/01/2014	Gamma	0,430
01/12/2013	Gamma	0,430
01/11/2013	Gamma	0,430
01/10/2013	Gamma	0,430
01/09/2013	Gamma	0,430
01/08/2013	Gamma	0,430
01/07/2013	Gamma	0,430
03/07/2013	Alfa	0,130
03/07/2013	prezzo di controllo	32,000
04/07/2013	Alfa	0,130
04/07/2013	prezzo di controllo	32,000

Figure 39: guarantee parameters

Guarantee parameters

FlowDate – name (all) – value (gamma-alpha-check price)

## HOLIDAYS

On the [festività](#) (holidays) page, you may see the days on which the trading of some or all products in the M-GAS is suspended.

data	descrizione
31/07/2013 - 22/07/2028	
10/09/2016	Sabato
11/09/2016	Domenica
17/09/2016	Sabato
18/09/2016	Domenica
24/09/2016	Sabato
25/09/2016	Domenica
01/10/2016	Sabato
02/10/2016	Domenica
08/10/2016	Sabato
09/10/2016	Domenica
15/10/2016	Sabato
16/10/2016	Domenica
22/10/2016	Sabato
23/10/2016	Domenica
29/10/2016	Sabato
30/10/2016	Domenica
05/11/2016	Sabato
06/11/2016	Domenica
12/11/2016	Sabato
13/11/2016	Domenica
19/11/2016	Sabato
20/11/2016	Domenica
26/11/2016	Sabato
27/11/2016	Domenica
03/12/2016	Sabato
04/12/2016	Domenica
10/12/2016	Sabato
11/12/2016	Domenica
17/12/2016	Sabato
18/12/2016	Domenica
24/12/2016	Vigilia di Natale
25/12/2016	Santo Natale

Figure 40: holidays

Holidays

Date – description (Saturday-Sunday-Christmas Eve – Christmas)

## XML FILE UPLOAD

Through the [upload](#) (upload) page, you may directly upload the xml file for submitting/changing bids/offers or changing the status of bids/offers (Figure 41).

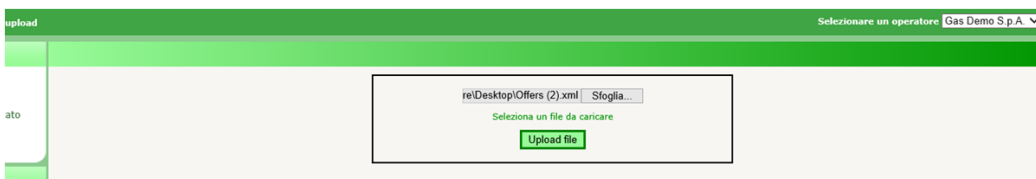


Figure 41: xml file upload

Figure captions

Select one file to be uploaded

Upload file

You must write the xml file with an appropriate editor and then upload it by selecting the file, signing its content and submitting the transaction.

## LIST OF MESSAGES

Each action that you make in the MT-GAS system through the above-described page will result into an xml file, which is stored into the database and then processed by the platform. Each action stored into the system will produce a result (called **Functional Acknowledgment, FA**); whatever the outcome of the action made, the FA will be a file in xml format.

The [lista messaggi](#) (list of messages provides) all the xml transactions made and the related outcomes.

Id messaggio	Id messaggio out	Contenuto	Oggetto del messaggio	Stato del messaggio	op.	codice utente	Nome file	Timestamp	Transazione	elab. time
23721	64718	Visualizza	Offers	OUT	00123GT	root	Offers.xml	22/07/2013 02.43.28	1 \ 1	00.01
23742	64685	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 10.54.29	1 \ 1	00.00
	64683		BN	OUT	00123GT		BN_b7cf4d51551b4e3a90c	22/07/2013 10.54.29		
23740	64681	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 09.58.48	1 \ 1	00.00
	64676		BN	OUT	00123GT		BN_48b48f455196402bac	22/07/2013 09.21.45		
23735	64674	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 09.20.36	1 \ 1	00.00
	64672		BN	OUT	00123GT		BN_cccd5d5f0956a4120b11	22/07/2013 09.20.36		
23732	64669	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 09.19.15	1 \ 1	00.00
23731	64668	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 09.19.02	1 \ 1	00.00
	64665		BN	OUT	00123GT		BN_34e3be41712347d1af	22/07/2013 09.19.02		
23730	64665	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 09.18.44	1 \ 1	00.00
	64663		BN	OUT	00123GT		BN_dab1f95678a84de48a2	22/07/2013 09.18.44		

Figure 42: list of messages

### List of messages

Message id – out message id – content (display) – message object (offers – BN) – message status (select message – out) – participant – participant's code – file name – timestamp – transaction – processing time  
Page – total no.of pages – rows per page – rows from... to ... - total no.of rows

The page is organised as follows: the first column shows the unique id assigned to the input xml message, produced through your interaction with the portal pages. By clicking on the number representing the id, you may download the xml file showing all the input parameters that have originated the transaction.

Likewise, the second column shows the id of the transaction outcome file. By clicking on the number, you may download the FA in xml format. Conversely, the third column shows the link to the digitally signed content, i.e. the portion of HTML code representing the preview of each action, which is presented immediately before the action (such as the one shown in Figures 19, 24 and 32).

Then, you will see the object of the message and, above all, its status; the status may be as follows:

- **IN**: message submitted and stored but not yet processed.
- **ERR**: message incorrectly formed or with incorrect content.
- **RUN**: message being processed.
- **OUT**: message processed (successfully or unsuccessfully).

The remaining columns show such data as the participant and user that have submitted the transaction, the name of the xml file, the date and time of submission, the number of successfully processed transactions and the processing time in minutes and seconds.

Among the page filters, you will find a checkbox called **mark** (Figure 43). If you select the box, the system will mark the outcome file as downloaded. This action will have an impact on the download of the file through the web service, because the system will ignore the already downloaded files and return only the ones that you have not yet examined. If you download an xml file from the interface with the selected **mark** checkbox, you will not be able to download the same file through the web service.

lista messaggi										
Id messaggio	Id messaggio out	Contenuto	Oggetto del messaggio	Stato del messaggio	op.	codice utente	Nome file	Timestamp	Transazione	elab. time
23271	64718	Visualizza	Offers	OUT	00123GT	root	Offers.xml	22/07/2013 02:43:28	1 \ 1	00.01
23742	64685	Visualizza	Offers	OUT	00123GT	demo.user	Offers.xml	22/07/2013 10:54:39	1 \ 1	00.00

Figure 43: filters of the list of messages

Start date – end date – mark

List of messages

Message id – out message id – content (display) – message object (offers) – message status (select message – out) – participant – participant’s code – file name – timestamp – transaction – processing time

You have seen that any action (xml input transaction) corresponds to an xml outcome file (FA). In the [lista messaggi](#) (list of messages), you may also view outcome files different from FAs, which do not correspond to any input file. Figure 42 (third row) shows a **Bid Notification (BN)** file with the outcome of the matching of one of the participant’s bids/offers.

Another file of this type is the **Delivery Notification (DN)**; this file is generated upon confirmation of the delivery to SNAM Rete Gas and contains the outcome of the delivery, the possible undelivered volume and the reason for the failed delivery.