



**TECHNICAL REQUIREMENTS**  
**ANNEX II**  
**OF**  
**CEEGEX MARKET RULES**

Version 1.0

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## **1. GENERAL RULES**

### **1.1. SCOPE OF THE TECHNICAL REQUIREMENTS**

The Technical Requirements are set of rules applicable to technical conditions related to access and use of the Trading System of CEEGEX including parameters and prescriptions to ensure the technical conditions of the orderly trading and data reporting. Furthermore the Technical Requirements contain all rules referred to in CEEGEX Market Rules.

CEEGEX shall publish the Technical Requirements on its website.

### **1.2. PERSONS BOUND BY THE TECHNICAL REQUIREMENTS AND EFFECTIVE DATE**

The present Technical Requirements are binding on CEEGEX and on persons bound by the CEEGEX Rules and Regulations.

The present Technical Requirements will become effective as defined in the Section 1.1.4.7 of CEEGEX Market Rules.

### **1.3. DEFINITION**

The definitions used in these Technical Requirements shall have the meaning as defined in the CEEGEX Market Rules.





## 2. GENERAL TECHNICAL REQUIREMENTS

CEEEX is entitled to determine in the Technical Requirements the types of the technical accesses, which are required for using the different trading functions and related optional features.

### 2.1. DEFAULT SETUPS

CEEEX offers different default setups for CEEEX Members.

At present CEEEX does not apply default setups.

### 2.2. ORDER SUBMISSION

For Orders sent to CEEEX shall include:

- »» the Member's identification (identification of company and User);
- »» the Contract indicator;
- »» the Trading Account in which the Order is recorded;
- »» validity of the Order;
- »» the volume;
- »» the maximum or minimum price against which the Order may be executed;
- »» Order Type;
- »» direction of the Order – i.e. buy or sell Order

### 2.3. BASIC PARAMETERS AND PRE-TRADE CONTROLS

Basic parameters regarding the Orders:

- »» min price: 0,01 EUR/MWh
- »» max price: 1000 EUR/MWh
- »» min quantity: 1 MW
- »» max quantity: 1000 MW

CEEEX carries out three types of pre-trade controls before the conclusions of Trades in all sessions of the trading, which are defined below:

- »» Price collars:
  1. Warning message is being sent at reaching the minimum sane Price of the Order (5 EUR/MWh) and the maximum sane Price of the Order (40 EUR/MWh).
  2. Warning message is being sent at 5% difference to the best bid and/or the best ask Orders, in case there are Orders in the Order Book (Price warning threshold).
- »» for every item size maximum order value: max quantity \* Contract size \* max price;
- »» maximum Order volume: max quantity \* Contract size.





## **2.4. POST-TRADE CONTROLS**

CEEEX applies post-trade controls regarding every Trade resulting from Orders entered into the Trading Systems.

The post-trade controls may include the following controls:

- » Examination of uncommon trading activities and market abuse suspicions and reporting them to the Supervisory Authority;
- » Monitoring the concentration of trading activities;
- » Post-trade control regarding the compliance of the trades with the CEEEX Rules Regulations.

## **2.5. PUBLICATION OF MARKET DATA**

CEEEX shall make the following information available to the public on every Trading Day:

- » Reference Price;
- » volume weighted average Price;
- » traded volume.

## **2.6. SIMULTANEOUS TRADING OF CONTRACTS**

Currently simultaneous trading of Contracts is not available on CEEEX.

## **2.7. DESIGNATIONS**

### **2.7.1. DESIGNATION OF CLEARING HOUSE**

KELER KSZF (registered under the Company Registration number 01-10-046985) has been designated by CEEEX as the Clearing House of CEEEX.

### **2.7.2. DESIGNATION OF THE TSO**

FGSZ Natural Gas Transmission Private Company Limited by Shares (registered under the Company Registration number 14-10-300230) has been designated by CEEEX as the TSO.

## **2.8. TECHNICAL TESTING**

CEEEX may require technical testing for access to the trading platform and/or to deliver changes or updates to the trading infrastructure or trading software.

CEEEX communicates to the CEEEX Members the eventual necessity of technical testing in a Market Notice.

## **2.9. MAXIMUM MESSAGE NUMBER**

CEEEX may define maximum message number in case of submission of Orders.

At present CEEEX does not define the maximum message number.





### **3. IT REQUIREMENTS**

#### **3.1. TECHNICAL CONNECTION**

CEE GEX Member shall be equipped with the following necessary technical connection for trading on the Trading System of CEE GEX:

➤➤ Account properties:

1. Account Name: CEE GEX
2. IPTS: gvprod.hupx.hu
3. Keep-Alive interval: 120
4. Reconnection interval: 30

➤➤ Connection settings:

1. Ports: 80, 443, 11997, 11995, 12003 (these ports need to be open on your firewall)
2. Connection type: Direct connection
3. Server Address: gvprod.hupx.hu
4. Encryption: Microsoft TCP

#### **3.2. ORDER ROUTING FACILITIES**

CEE GEX Member shall use the following electronic order-transmission and reception system in order to access CEE GEX Markets:

➤➤ Order Routing Facility (application): Trayport Joule/Joule direct (provided and installed by Trayport Limited) or

➤➤ CEE GEX Client: GlobalVision Front End.

#### **3.3. TECHNICAL AND OPERATIONAL DOCUMENTS**

CEE GEX provides the CEE GEX Members the technical and operational documents, guides, manuals necessary for the orderly use of the Trading System and the Order Routing Facility and any other documents needed to operate the technical facilities for accessing its services.

CEE GEX communicates to the CEE GEX Members the availability of these documents in a Market Notice.

#### **3.4. HARDWARE AND SOFTWARE ENVIRONMENT**

CEE GEX Member agrees to maintain a hardware and software environment that complies with the technical specifications.

The following hardware specification is necessary for client machines:

- 2 GHz Pentium class or above processors;
- At least 4 GB RAM;
- The Microsoft Windows 7 or above operating systems are supported for client machines;
- Antivirus application has to be installed.





### **3.5. TYPES OF THE TECHNICAL ACCESSES**

CEEGEX is entitled to determine the types of the technical accesses which are required to use the different trading functions and possibilities: Only direct connection is allowed via internet.

### **3.6. ACCESS CONDITIONS FOR DATA VENDORS**

CEEGEX may grant read only access for exchange data vendors if they fulfil all the conditions set forth in Sections 3.1. to 3.5. of these Technical Requirements.



#### 4. EMERGENCY MEASURES

In case of natural gas supply emergencies and significant malfunctions of the natural gas system, CEEGEX may suspend partially or fully the operation of CEEGEX Market. In case of the suspension of the market, CEEGEX shall notify the CEEGEX Members about the following facts in a Market Notice, if relevant:

- » Cause of the suspension;
- » The beginning of the suspension;
- » The possible end of the suspension;
- » Affected Products and Contracts;
- » Affected CEEGEX Members, if relevant;
- » Restrictions regarding the trading activity, e.g. entering buy and/or sell Orders;
- » Any eventual change in technical access.

In case of suspension of the trading right, during the period of the restrictions of the trading activity, the CEEGEX Member shall respect the prescriptions communicated in a Market Notice. Should the CEEGEX Member not respect these prescriptions, CEEGEX may apply sanctions as defined in the CEEGEX Market Rules in the Section 2.3.8.

