

## 1. Online password reset

The system implements support for one-time passwords. Now, when registering in the trading system or resetting an old password, the user is issued a login and a one-time password, which the user must change to a permanent one within 7 days. After this period, the password becomes invalid. A user authorized in the system with a one-time password cannot perform any operations except for changing the password.

Password change is carried out using standard methods:

- Through the trading terminal, the password change dialog is automatically triggered when the user logs in with a one-time password.
- Using CGate API, details can be found in the documentation ([https://ftp.moex.com/pub/ClientsAPI/Spectra/CGate/test/docs/cgate\\_en.pdf](https://ftp.moex.com/pub/ClientsAPI/Spectra/CGate/test/docs/cgate_en.pdf)).
- By using a special utility change\_password from the distribution package of CGate or SpectralM, the description of the utility is provided in the documentation ([https://ftp.moex.com/pub/ClientsAPI/Spectra/CGate/test/docs/p2gate\\_en.pdf](https://ftp.moex.com/pub/ClientsAPI/Spectra/CGate/test/docs/p2gate_en.pdf)).

The method of delivering the login/password to the user has been changed. Now they will be sent as a full report (for each login) to the personal account. For SpectralM users and members for whom it is technically impossible to send reports, the process for receiving login/password remains unchanged.

## 2. GTD orders cancellation in liquidation-only mode

The liquidation-only mode—used for executing trades that exclusively result in closing or reducing positions—has been updated. Now, in this mode, all Good-till-Date (GTD) orders for an instrument that increase the position will be canceled during the evening clearing session.

## 3. Accounting of concentration limits during collateral revaluation in the evening clearing session for settlement accounts without the "Unified collateral pool" feature in the derivatives market

The collateral revaluation mechanism for settlement accounts without the "Unified collateral pool" feature in the derivatives market has been updated. Now, assets accepted as collateral for settlement accounts without the "Unified collateral pool" feature are accounted for based on daily revaluation with a discount equal to the minimum restrictive level of the first, second, and third-tier collateral rates, taking concentration limits into account. The collateral revaluation is performed during the evening clearing session.

## 4. Changes in interfaces and API

### 4.1. CGATE

- In stream FORTS\_REFDATA\_REPL, in tables 'fut\_instruments' and 'fut\_sess\_contents', new fields have been added:
  - trade\_mode\_id (i4): Trading board ID.
  - group\_mask (i8): Bitmask of groups to which the instrument belongs.
- In stream FORTS\_REFDATA\_REPL, in table 'opt\_sess\_contents', new fields have been added:
  - trade\_mode\_id (i4): Trading board ID.
  - group\_mask (i8): Bitmask of groups to which the instrument belongs.
  - is\_trade\_evening (i1): The instrument is traded in the main and/or additional trading session.
- In stream MCXSPOT\_INFO\_REPL, in table CURRENCY, the type of the field DIVIDENDVALUE has been changed to d16.6.

- In stream MCXSPOT\_INFO\_REPL, in table TRDTIMETYPES, the type of the field DESCRIPTION has been changed to c128.
- In stream MCXSPOT\_INFO\_REPL, in table TRDTIMETYPES, the type of the field LAT\_DESCRIPTION has been changed to c128.
- In stream MCXCC\_INFO\_REPL, in table TRDTIMETYPES, the type of the field DESCRIPTION has been changed to c128.

#### **4.2. FIX**

In message 'New Order Single', a restriction has been added for the 'SecondaryClOrdID' field (tag 526): "The field must not contain control characters (0x00-0x1F and 0x7F) and must be converted from cp1251 to utf-8."

#### **5. Changes applied to command scheme repository**

In the order submission commands 'AddOrder' and 'IcebergAddOrder', a restriction has been added for the comment field: "The field must not contain control characters (0x00-0x1F and 0x7F) and must be converted from cp1251 to utf-8." If these restrictions are not followed, the order will be rejected with the error: "4180 - Input parameter error: comment field contains invalid characters."

#### **6. Changes in the derivatives market terminal**

- In the 'Add order' window, a restriction has been added for the comment field: "The field must not contain control characters (0x00-0x1F and 0x7F) and must be converted from cp1251 to utf-8."
- Support for one-time passwords has been added. The password change dialog is automatically triggered when the user logs in with a one-time password.
- In the settings window on the 'Trading' tab, you can specify an account that will be used by default in the standard Order entry form, eliminating the need to select it from the list each time.
- In the 'Limitation' window, a new parameter 'Risk level' has been added, representing the client's risk level category.

#### **7. Changes in SpectralIM**

A utility for changing the password, change\_password.exe, has been added to the SpectralIM distribution package.