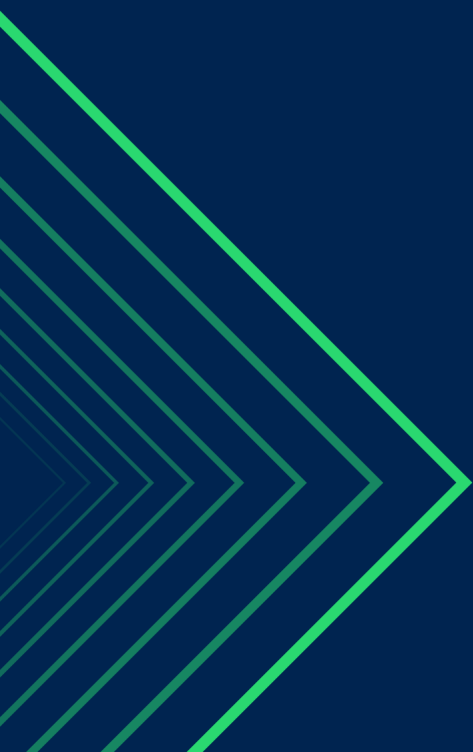
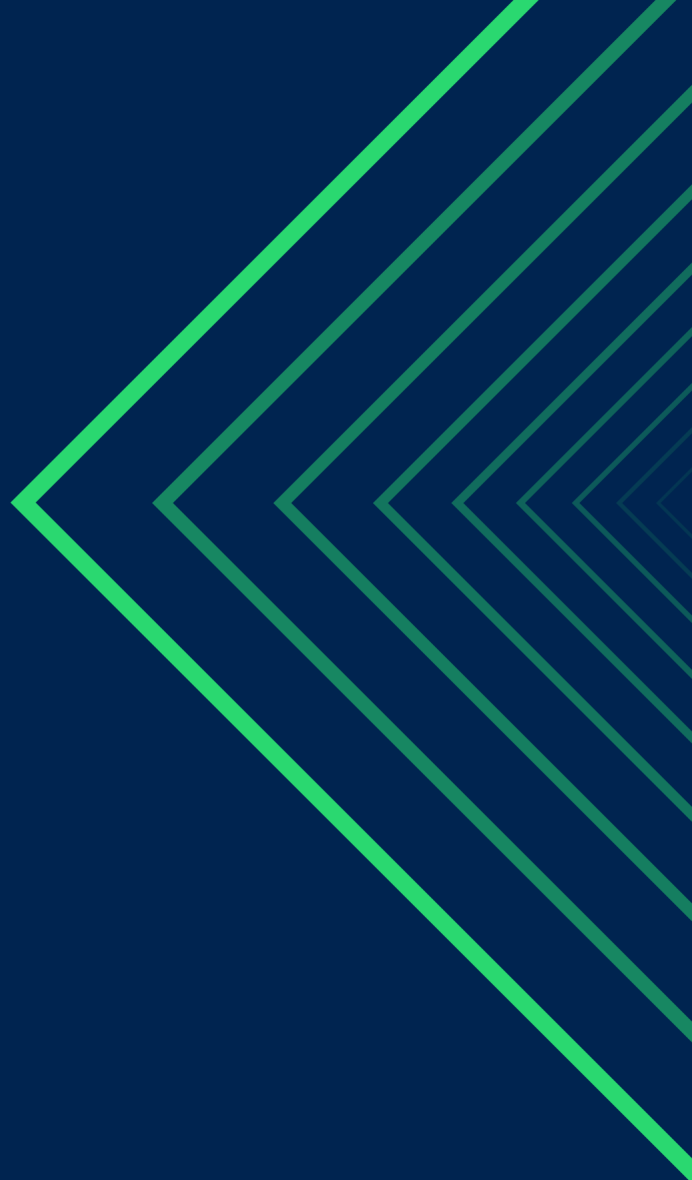




Regulation Liquidity Measures



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1. Introduction

This Regulation is enacted pursuant to and in accordance with articles 14 and 16 of the Clearing Rule Book.

Capitalised terms used in this Regulation, and not otherwise defined herein, shall have the meaning ascribed thereto in the Clearing Rule Book.

This Regulation applies as of 23 February 2024.

Changes to this Regulation will be implemented in accordance with the Changing Cboe Clear Rulebook & Regulations Procedure as published on Cboe Clear's website.

2. Definitions

In this Regulation, the following capitalised terms shall have the following meaning:

“Cover-2 Liquidity Risk” means the amount of liquidity risk arising from the two largest Clearing Participants. The liquidity risk of the two largest Clearing Participants is calculated as the aggregate of their long settlement obligations in the Securities Product Class and Derivatives Product Class (i.e. resulting from a Contract of Sale), and their cash settlement obligations in the Derivatives Product Class.

“Designation Date” means the Clearing Day on which a Clearing Participant is designated as a Qualifying Clearing Participant in accordance with this Regulation.

“Individual Settlement Exposure” means the total value of all long settlement obligations in Securities (i.e. buy legs) and Derivatives Contracts (i.e. resulting from a Contract of Sale) and all cash settlement obligations in Derivatives Contracts of a Clearing Participant on a Clearing Day.

“Liquidity Risk Threshold” means a predetermined percentage of the total liquid resources available to Cboe Clear.

“OTC Trade” means a Trade not concluded on a regulated market, multilateral trading facility or other trading venue within the meaning of the MiFID.

“Qualifying Clearing Participant” has the meaning ascribed thereto in article 4, but excludes, for the avoidance of doubt, a Co-operating Clearing House.

“Reference Period” means an uninterrupted period of three months immediately prior to the Designation Date.

“Residual Liquidity Risk” has the meaning ascribed thereto in article 3.3.

“Settlement Exposure Add-on” means, in relation to a Qualifying Clearing Participant, an amount as determined pursuant to article 3.3.

“Settlement Exposure Add-on Cap” means, the maximum possible total Settlement Exposure Add-on across all Qualifying Clearing Participants as set by Cboe Clear from time to time.

“Settlement Exposure Add-on Percentage” means the percentage which will be allocated to each Qualifying Clearing Participant as its individual requirement in the total Settlement Exposure Add-on. This percentage is calculated for each Qualifying Clearing Participant as

the total Individual Settlement Exposure per Clearing Day over the Reference Period divided by the total Individual Settlement Exposure of all Qualifying Clearing Participants per Clearing Day over the Reference Period.

“Settlement Prefunding Requirement” means, in relation to a Clearing Participant, an amount as determined pursuant to article 3.2.

“Settlement Prefunding Requirement Percentage” means the percentage which will be allocated to each of the two Clearing Participants as their individual requirement in the total Settlement Prefunding Requirement. This percentage is calculated for each of the two Clearing Participants as the Individual Settlement Exposure for that Clearing Participant for that Clearing Day divided by the total Individual Settlement Exposure of both Clearing Participants for that Clearing Day.

References to articles are to articles in this Regulation unless indicated otherwise.

3. Settlement Exposure Add-on and Settlement Prefunding Requirement

3.1 Overview

A Settlement Exposure Add-on and a Settlement Prefunding Requirement will be called as part of and within the timelines as set out under article 3.4 of this Regulation. The call must be met in EUR cash or if Cboe Clear directs otherwise, in such currency or Financial Instruments as specified in the Regulation Acceptable Collateral.

The amount for which a Settlement Exposure Add-on call and the Settlement Prefunding Requirement call can be issued is determined pursuant to article 3.2 and 3.3 of this Regulation.

The cash or Financial Instruments to cover the Settlement Exposure Add-on and the Settlement Prefunding Requirement will be collected from and returned to the Clearing Participant following the process as set out in article 3.4 of this Regulation.

Cboe Clear shall provide the relevant Clearing Participant on each Clearing Day, both intraday and end-of-day, its Settlement Exposure Add-on and the Settlement Prefunding Requirement for that day by electronic means.

Pursuant to Regulation Trade Refusal, Cboe Clear may reject a Trade if the relevant Clearing Participant does not meet the Settlement Prefunding Requirement.

The Settlement Exposure Add-on and the Settlement Prefunding Requirement are not used to size the financial resources of Cboe Clear as required under article 42 and/or article 43 of EMIR. The Settlement Exposure Add-on and Settlement Prefunding Requirement do not form part of the default waterfall, but in the event of a default of a Clearing Participant could be set off against the amount(s) owed by a defaulting Clearing Participant to Cboe Clear. For this purpose, any amounts paid for the purposes of a Settlement Exposure Add-on and/or a Settlement Prefunding Requirement will be considered to be included in the definition of “Collateral”.

3.2 Determination of Settlement Prefunding Requirement

Cboe Clear shall for each non-defaulting Clearing Participant determine the Settlement Prefunding Requirement as per the below.

- 1) Cboe Clear will calculate the Cover-2 Liquidity Risk on an intraday basis and compare it with the Liquidity Risk Threshold. If the Cover-2 Liquidity Risk is larger than the Liquidity Risk Threshold, Cboe Clear will call for a Settlement Prefunding Requirement of the relevant (i.e. buying) Clearing Participant(s) that shall be the higher of:
 - i. the positive difference between the Cover-2 Liquidity Risk and the Liquidity Risk Threshold; and
 - ii. EUR 1 million (or its equivalent in any other currency).
- 2) The Settlement Prefunding Requirement will be allocated to the two Clearing Participants that cause the Cover-2 Liquidity Risk by multiplying the Settlement Prefunding Requirement with the relevant Settlement Prefunding Requirement Percentage.

3.3 Determination of Settlement Exposure Add-on

Cboe Clear shall for each non-defaulting Qualifying Clearing Participant determine the Settlement Exposure Add-on as per the below.

- 1) Cboe Clear will calculate the amount of residual liquidity risk stemming from its liquidity risk stress test (the Residual Liquidity Risk) on an intraday basis and end-of-day basis, and compare it with the Liquidity Risk Threshold. If the Residual Liquidity Risk is larger than the Liquidity Risk Threshold, Cboe Clear will call for a Settlement Exposure Add-on of the Qualifying Clearing Participants that shall be the higher of:
 - i. the positive difference between the Residual Liquidity Risk and the Liquidity Risk Threshold; and
 - ii. EUR 1 million (or its equivalent in any other currency).
- 2) The amount payable by each individual Qualifying Clearing Participant is determined by multiplying the Settlement Exposure Add-on Percentage of that Qualifying Clearing Participant with the required Settlement Exposure Add-on.
- 3) The Settlement Exposure Add-on is determined separately from the Settlement Prefunding Requirement and is determined on an intraday as well as end-of-day basis.
- 4) The Settlement Exposure Add-on will be subject to the Settlement Exposure Add-on Cap. The Settlement Exposure Add-on Cap will be set to the largest Settlement Exposure Add-on plus remaining liquidity shortfall observed on a Clearing Day over the last twelve months. Qualifying Clearing Participants will be informed of a change to and the new level of the Settlement Exposure Add-on Cap.
- 5) The calculation of the Settlement Exposure Add-on Percentage is performed on a monthly basis by Cboe Clear at the first Clearing Day of the month taking the last Clearing Day of the previous month as reference. The Settlement Exposure Add-on Percentage will be effective as of the calculation date.

3.4 Deposits and withdrawals

Cboe Clear informs the Clearing Participant via e-mail of the call (request to deposit).

The amounts received as a Settlement Prefunding Requirement and Settlement Exposure Add-on will be held in a dedicated account as determined by Cboe Clear.

The Clearing Participant shall transfer the required collateral in cash or Financial Instruments to Cboe Clear within one (1) hour after receipt of the call to an account as set out in the Standard Collateral Settlement Instructions as specified by Cboe Clear.

Not meeting the Settlement Prefunding Requirement within the timelines as stipulated above will lead to the rejection of any new OTC Trade pursuant to the Regulation Trade Refusal which would otherwise result in increased liquidity risk. The rejection of any new OTC Trade will remain in place for the remainder of the Clearing Day.

Not meeting the Settlement Exposure Add-on will be a Breach as per the Clearing Rule Book and Cboe Clear may take action in accordance with article 11 of the Clearing Rule Book.

Where Settlement Exposure Add-on or Settlement Prefunding Requirement calls are made and met in USD, Cboe Clear reserves the right to issue a call in EUR in an amount sufficient to substitute USD amounts the next Clearing Day when such substitution can be made. Cboe Clear shall return the relevant USD amounts once the Clearing Participant has met the subsequent call in EUR.

Withdrawal requests that are submitted to Cboe Clear on any Clearing Day before 11.00 CET, for both cash and Financial Instruments, will be handled the same day on a best efforts basis and will be subject to applicable collateral agent / custodial deadlines. Withdrawal requests will be handled no later than the next Clearing Day following the Clearing Day on which the request was received.

4. Designation of Qualifying Clearing Participants

A Clearing Participant is designated as a Qualifying Clearing Participant if it fulfils the following conditions on a Designation Date:

- 1) it has been a Clearing Participant of Cboe Clear for a period of at least one calendar month prior to the Designation Date; and
- 2) it is not an inactive Clearing Participant pursuant to article 4.2.11 of the Clearing Rule Book and it has not been declared in Breach pursuant to article 11.1.1 of the Clearing Rule Book or declared in default pursuant to article 11.3.1 of the Clearing Rule Book; and
- 3) its Individual Settlement Exposure is higher than 1 billion EUR equivalent on at least one Clearing Day in the Reference Period; or
- 4) if as a result of the outcome under 3) directly above, the number of the Qualifying Clearing Participants is less than five (5) on a Designation Date, Cboe Clear will designate further Clearing Participants (that will then be Qualifying Clearing Participants) to ensure that the number of Qualifying Clearing Participants is equal to five (5) by including Clearing Participants with the next largest Individual Settlement Exposure over the Reference Period.

A Designation Date shall be every first Clearing Day of each month, or a date as determined by Cboe Clear. The designation as Qualifying Clearing Participant will be effective as of the first Clearing Day immediately following the Designation Date.

5. Recovery Liquidity Cash Call

Upon activation of the Recovery Plan, Cboe Clear may issue Recovery Liquidity Cash Calls to non-defaulting Clearing Participants to enable the physical settlement of Open Positions.

The amount for which a Recovery Liquidity Cash Call can be issued is limited to the value of the Securities (i.e. buy legs or long settlement obligations resulting from Contracts of Sale) that a Clearing Participant is selling to Cboe Clear.

Cboe Clear shall take delivery of the Securities from non-defaulting Clearing Participants against payment of the proceeds of the Recovery Liquidity Cash Calls and subsequently sell the Securities as soon as reasonably possible. The proceeds of the sold Securities shall be distributed to non-defaulting Clearing Participants on a pro rata basis in proportion to the contributions made by non-defaulting Clearing Participants, up to the amount received under the relevant Recovery Liquidity Cash Call.

Cboe Clear shall apply the financial resources set out in article 9 of the Clearing Rule Book to reimburse non-defaulting Clearing Participants that have not been reimbursed in full by the proceeds of the Securities sold. Such reimbursement shall take place on a pro rata basis in proportion to the contributions made by non-defaulting Clearing Participants, up to the amount received under the Recovery Liquidity Cash Call.