

**CDCC Quantitative Disclosure**

**Qualitative Notes**

**Q3-2024**

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| **# Principle** | **Notes** |
| 4 | ***4.1. CDCC default waterfall***  **Defaulting Clearing Member Resources**  **Defaulting Clearing Member Margin Deposit**:  The first line of financial protection is the Margin Deposit posted by the defaulting Clearing Member as part of the Corporation’s routine collateralization process.  **Defaulting Clearing Member’s Contribution to the Clearing Fund**:  Once the Corporation has exhausted the defaulting Clearing Member’s Margin Deposit, it will next apply these resources to the loss mitigation effort.  **Resources of the Corporation and the System**  If after applying these resources of the defaulting Clearing Member, a shortfall still remains, the Corporation would look to the following common resources of the system to cover the loss:  **Corporation Capital Resources**:  The Corporation would first look to its own capital, but only to its capital reserves set aside for this purpose, which are currently a maximum of $5 million.  **Other Clearing Member Clearing Fund Deposits:**  The Corporation would next apply the remaining balances in the Clearing Fund, on a pro-rata basis as determined by the size of each Clearing Member’s contribution.  **Assessment of Other Clearing Members**:  If after applying all of the remedies specified above, a loss still persists, then the Corporation may request that the remaining Clearing Members replenish their Clearing Fund contributions to their original levels and use on a pro rata basis according to CDCC’s exposure to each remaining Clearing Member, an amount that in total satisfies the outstanding obligation.  ***4.1.8. Committed - Aggregate participant commitments to address an initial participant default***  CDCC's committed default resources are mainly composed of the second Clearing Fund replenishment which would be reduced by the defaulter’s contribution in the event of a default. Therefore, since the defaulter is unknown, the reported amount of committed default resources is equal to the Clearing Fund size.  ***4.4. Credit Risk Disclosures***   * The estimated and the actual credit exposures are calculated against the required initial margin. * The credit exposure is set to zero if it generates a positive P&L. * The amount reported in item 4.4.5 is the estimated aggregate stress loss that exceeded actual pre-funded default resources (in excess of initial margin).   ***4.4.2. For each clearing service, state the number of business days within which the CCP assumes it will close out the default when calculating credit exposures that would potentially need to be covered by the default fund.***  In the event of a default, it is assumed that CDCC will close-out the defaulter’s positions within 2 days.  ***4.4.4.* Report the number of business days, if any, on which the above amount (4.4.3) exceeded actual pre-funded default resources (in excess of initial margin).**  The Additional Margin for Specific Wrong-Way Risk and the Additional Capital Margin Risk are taken into account to determine if the stress loss has exceeded the pre-funded default resources. |
| 5 | ***5.3.2. Assumed holding/liquidation period for the assets accepted***  Liquidation period for all assets: 2 days  ***5.3.4. Results of testing of haircuts***  The number of days represents the average number of breaches per asset during the lookback period. As additional information, we included haircut back-testing results at the asset level:   * 272 breaches out of 236,639 for bonds which correspond to an achieved coverage level 99.89%. * 2 breaches out of 76,186 for equities which correspond to an achieved coverage level 100.00%. |
| 6 | ***6.1. Total initial margin required split by house, client GCM, client Non-GCM and Total***  The total initial margin requirement is composed of   * Base Initial Margin * Variation Margin for Options and Unsettled Item * Additional margins for Capital Margin Risk, Market Liquidity Risk, Specific Wrong-Way Risk, Mismatched Settlement Risk, Intra-Day Variation Margin Risk, Unpaid Option Premium Exposure Risk, Banking Holiday Risk and Variation Margin Delivery Risk, Uncovered Risk of Limited Clearing Members, Intra-Day GCM Risk, Undeclared GCM Positions Risk and any other additional Margins   Additional Margins are required in the House Account requirement, except for Additional Margin for Intra-Day GCM Risk and Additional Margin for Undeclared GCM Positions Risk are required in the Client Gross Account requirement.  The Client Gross is Client GCM and Client Net is Client Non-GCM.  September 30th is the National Day for Truth and Reconciliation holiday on which there is no settlement at CDCC and the gross notional amount cleared is significant lower than a regular business day. As an appendix, CDCC adds the information as of September 27th to represent the quarter:  House: 5 088 026 195.83  Client Gross (Options): 6 758 716 498  Client Net (Futures + Repo): 3 611 089 369.8  Total: 15 457 832 063.63  ***6.2. For each clearing service, total initial margin held, split by house, client and total***  The total initial margin held is split by house, client (client GCM + client Non-GCM) and total  September 30th is the National Day for Truth and Reconciliation holiday on which there is no settlement at CDCC and the gross notional amount cleared is significant lower than a regular business day. As an appendix, CDCC adds the information as of September 27th to represent the quarter:  HouseIM\_PreHaircut: $ 6 040 946 821.36  HouseIM\_PostHaircut: $ 5 424 382 766.67  ClientIM\_PreHaircut: $ 11 134 689 390.81  ClientIM\_PostHaircut: $ 10 825 941 621.78  TotalIM\_PreHaircut : $ 17 175 636 212.18  TotalIM\_PostHaircut : $ 16 250 324 388.45   ***6.4. Frequency of Parameter Review***  Margin Intervals, intra-commodity and inter-commodity spreads are reviewed on a daily basis. |
| 7 | ***7.1. Size and composition of qualifying liquid resources for each clearing service***   * Stress market scenarios have been applied to the market value of the qualifying liquid resources. Haircuts required as per the prearranged funding arrangements have also been applied where relevant. * The item 7.1.9 includes T-bills. T-Bills can be liquidated on a same-day basis and are therefore considered as cash (based on the prevailing market value).   ***7.3.1. Estimated largest same-day and, where relevant, intraday and multiday payment obligation in total that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions***  The estimated largest payment obligation is defined as the gross liquidity exposure underlying the estimated highest liquidity shortfall (gross liquidity exposure - qualifying liquid resources).  ***7.3.4. Actual largest intraday and multiday payment obligation of a single participant and its affiliates***  The reported disclosure of this item represents the estimated largest payment obligation observed during the last year. |
| 15 | ***15. General business risk***  The reported financial disclosures of items 15.1 and 15.2 are relative to the year ended in December 29, 2023. |
| 16 | ***16.3. Rehypothecation of Clearing Members assets***  Only Clearing Fund assets can be rehypothecated. |
| 17 | ***17.2. Actual availability of the core system(s) over the previous twelve-month period.***  CDCC’s "Core System" definition :  CDCC considers the Canadian Derivatives Clearing Service dedicated to day-to-day clearings and settlement activities as its core system.  ***17.3. Total number and duration of failures affecting the core system(s) involved in***  ***clearing over the previous twelve month period***  CDCC’s definition of a system failure :  Any downtime of CDCC’s "Core System" exceeding the two (2) hours Recovery Time Objectives impacting key business process(es) during a critical period where no alternate solution is available to meet requirements, significantly impacting Clearing Members. |
| 18 | ***18.1. Number of clearing members, by clearing service, split by category of membership***   * 18.1.1.1: Number of Clearing Members: defined as an applicant who has been admitted to membership in the Corporation in accordance with CDCC Rules. * 18.1.1.2: Number of Limited Clearing Members: defined as an applicant that has been admitted to membership by the Corporation as a “Limited Clearing Member” in accordance with CDCCs Rules. |
| 23 | ***23.1. Disclosure of rules, key procedures, and market data; Average Daily Volumes***  Volumes and notional are single counted (only one side of the transaction is reported).  September 30th is the National Day for Truth and Reconciliation holiday on which there is no settlement at CDCC and the gross notional amount cleared is significant lower than a regular business day. As an appendix, CDCC adds the information as of September 27th to represent the quarter:  Future\_ETD = 141 594 569 205  Option\_ETD = 3 602 138 590  Options\_OTC = 1 336 000  FI\_OTC = 70 832 321 176 |