

Effective Date:	11/18/2025
Approval:	Board of Directors

I. PURPOSE

This Risk Management Framework (“Framework”) describes how The Options Clearing Corporation (“OCC”) manages risk while providing efficient and effective clearing and settlement services to the markets it serves. This Framework explains how OCC’s governance model and three lines of defense facilitate risk management. Additionally, this Framework addresses OCC’s ability to employ recovery tools and facilitate an orderly wind-down.

II. OCC RISK UNIVERSE

OCC plans for the possibility that events will occur and affect the delivery of its core services. As a clearing house, OCC manages the risks it faces to serve the market in an efficient and effective manner. OCC has grouped risks that potentially impact clearing and settlement services into the risk categories below.

Financial Risk is the risk that OCC is unable to maintain sufficient financial resources to cover its exposures under normal and stressed conditions.

Operational Risk is the risk of loss resulting from inadequate or failed internal processes, systems, and people, or from external events.

Information Technology and Security Risk is the risk that OCC is unable to maintain technology capabilities or services to support its operations, and the risk that OCC is unable to detect, defend against, and respond to security threats and incidents.

Legal and Regulatory Risk is the risk of loss that results from acts or omissions by OCC that cause a failure to comply with the laws, regulations, or other legal obligations applicable to OCC’s business, products, services, and relationships.

General Business Risk is the risk of potential impairment to OCC’s financial position resulting from a decline in revenues or an increase in expenses, failure to achieve its strategic objectives or adverse reputational issues.

OCC identifies, manages and reports on these risks through the three lines of defense model, outlined below. In accordance with the Corporate Risk Management Policy, these risk categories are broken down to risk sub-categories and risk statements, which comprise the universe of the risks that OCC manages to maintain effective clearing and settlement operations.

III. GOVERNANCE

OCC’s Board of Directors (“Board”) oversees the management of the risks that arise in or are borne by OCC. OCC’s governance structure includes the Board, Board committees, Management Committee, working groups, and employees.

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A. Board of Directors and Board Committees

The Board is responsible for advising and overseeing management. Pursuant to the OCC Board of Directors Charter and Corporate Governance Principles, the Chief Risk Officer presents a review of this Framework to the Board for approval at least annually.

The Board may delegate the oversight of specific risks to Board committees. The Board may form or disband committees, including subcommittees to manage specific risks, as it from time to time deems appropriate, and may delegate authority to one or more designated members of such committees. The responsibilities of Board committees with regard to managing risks are outlined in committee charters.

B. Management Committee and Working Groups

OCC's Management Committee supports the management and conduct of its business in accordance with policy directives from the Board. The Management Committee includes officers¹ responsible for ensuring that its actions and decisions are consistent with OCC's mission, Code of Conduct, Rules and By-Laws, policies, procedures, and general principles of sound corporate governance. The Chief Risk Officer is a member of the Management Committee and reports to the Risk Committee of the Board ("Risk Committee"). The Chief Compliance Officer and Chief Audit Executive are members of the Management Committee and report to the Audit Committee of the Board ("Audit Committee"). The Management Committee may form and delegate authority to subcommittees and working groups of employees to conduct certain of its activities. Subcommittees and working groups are responsible for reporting and escalating information as appropriate.

C. Employees

OCC considers risk management during employee recruitment, development, training, and succession planning. OCC recruits and retains personnel with appropriate risk management knowledge, skills, and competencies. OCC also identifies successors for designated officers based on knowledge and experience. OCC provides internal and external development opportunities including required training related to risk, compliance, security, conflicts of interest, escalation of concerns, and the OCC Code of Conduct. OCC provides outlets for employees to anonymously report concerns that are reviewed by Compliance, Human Resources, and Legal.

¹ The Management Committee may include, but is not limited to the following officers Chief Executive Officer, Chief Operating Officer, Chief Financial Risk Officer, Chief External Relations Officer, Chief Risk Officer, Chief Audit Executive, Chief Compliance Officer, Chief Financial Officer, Chief Human Resources Officer, Chief Information Officer, Chief Security Officer, General Counsel, and Chief Clearing and Settlement Services Officer.

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IV. OCC RISK MANAGEMENT

OCC employs a three lines of defense model. The model clearly assigns ownership and accountability and enhances communication for expectations around risk management throughout the organization. The first line of defense maintains policies, procedures, processes, systems, and controls established for day-to-day risk management. The second line of defense evaluates and provides challenge to the first line by executing critical analysis to identify process limitations and recommending risk treatments including, but not limited to, changes to relevant policies, procedures, processes, systems, and controls. Lastly, the third line of defense is an internal audit function that reviews and provides objective assurance to the first and second lines. OCC employees report to members of the Management Committee. Consistent with the OCC Code of Conduct, employees are expected to escalate risk information through their reporting line or to other members of management. Risks identified at OCC are reported to the Management Committee and Board consistent with relevant charters and policies.

A. First Line of Defense

The risk inherent in OCC's clearing and settlement services is managed by the first line of defense, which is responsible for owning and managing risks by maintaining policies, procedures, processes, systems, and controls. The first line of defense is comprised of OCC's operational business units, including Financial Risk Management ("FRM"), Business Operations, and Information Technology, and also includes corporate functions such as Human Resources, Corporate Finance and Enterprise Project Management. The first line of defense is accountable for maintaining internal controls, control self-testing, and implementing corrective action to address control deficiencies. The first line of defense maintains policies and associated procedures that detail the processes and controls implemented across business units which are used to execute risk management related to the clearing and settlement services detailed below.

a. Membership Standards

Membership standards are established by the Board and primarily risk managed by FRM with support from Business Operations and Information Technology in accordance with the Third-Party Risk Management Framework. OCC has risk-based clearing membership standards to manage the risks arising from Clearing Members. These requirements include applicable registrations, net capital requirements, creditworthiness, adequate operational and risk management capabilities, and maintaining qualified personnel. The Risk Committee reviews these standards to ensure OCC provides fair and open access to clearing and settlement services. Clearing Members that fail to meet the membership standards face potential consequences up to and including suspension.

b. Credit

OCC's credit risk is primarily managed by FRM with support from Business Operations and Corporate Finance. OCC is exposed to credit risk based on its role as guarantor of cleared contracts. OCC has credit risk related to Clearing Members and manages this exposure by collecting sufficient margin and Clearing Fund resources based on a Clearing Member's risk profile. OCC also faces credit risk from other financial institutions that facilitate payment, clearing, and settlement activities (e.g., clearing banks, custodians, and linked financial market utilities). FRM monitors its credit risk related to Clearing Members and financial institutions consistent with the Third-Party Risk Management Framework. FRM analyzes the creditworthiness of each financial institution, in addition to other information that could impact the financial institution's ability to facilitate payment, clearing, and settlement services, on an ongoing basis.

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c. Margin

OCC's margin is primarily managed by FRM with support from Business Operations. FRM utilizes a risk-based margin methodology to calculate Clearing Member margin requirements in accordance with OCC's confidential Margin Policy and Chapter VI of OCC's Rules. FRM calculates margin daily for Clearing Member accounts. Intra-day margin calls may also be made for accounts exhibiting an elevated risk profile. FRM reviews the adequacy of its margin methodology at least monthly through sensitivity analysis, backtests, and an analysis of its parameters and assumptions. FRM reports the results of margin analyses to the Board.

d. Clearing Fund

OCC's Clearing Fund is primarily managed by FRM with support from Business Operations. OCC maintains a Clearing Fund comprised of high-quality liquid assets to cover its credit risk exposure from Clearing Members in accordance with OCC's confidential Clearing Fund Methodology Policy and Chapter X of OCC's Rules. FRM uses stress tests to project the Clearing Fund size necessary to maintain prefunded financial resources to cover losses arising from the default of the two Clearing Member Groups that would potentially cause the largest aggregate credit exposure to OCC in extreme but plausible market conditions. FRM also uses stress test results to determine the sufficiency of the Clearing Fund size and determine whether to issue calls for additional collateral or perform an intra-month Clearing Fund resizing. FRM reviews the adequacy of its Clearing Fund methodology at least monthly through a comprehensive analysis of stress testing scenarios, models, and underlying parameters and assumptions. FRM reports the results of Clearing Fund analyses to the Board.

e. Collateral

OCC's collateral risk is primarily managed by FRM with support from Business Operations and Corporate Finance in accordance with OCC's confidential Collateral Risk Management Policy and OCC Rules 604 and 1002. OCC requires its Clearing Members to deposit collateral as margin and Clearing Fund. OCC limits acceptable assets to those with low credit, market, and liquidity risks, and employs other risk mitigation tools, including collateral concentration limits. FRM applies risk-based haircuts and Business Operations revalues collateral daily to ensure margin and Clearing Fund requirements are met. FRM reviews the sufficiency of collateral haircuts and concentration limits at least annually.

f. Liquidity

OCC's liquidity risk is primarily managed by FRM with support from Corporate Finance. OCC manages its liquidity risk in accordance with its confidential Liquidity Risk Management Framework by maintaining a reliable and diverse set of committed resources and liquidity providers, establishing a contingent funding plan to collect additional resources, and performing daily stress testing that covers a wide range of scenarios that include the default of the Clearing Member Group that would generate the largest aggregate liquidity obligation in extreme but plausible market conditions. FRM reviews the sufficiency of its resources at least monthly through a comprehensive analysis of the scenarios, models, and underlying parameters and assumptions. FRM reports the results of these analyses to the Board.

g. Settlement

OCC's settlement risk is managed by Business Operations in accordance with Chapters V and IX of OCC's Rules. OCC uses approved clearing banks to facilitate settlements on at least a daily basis. OCC issues instructions to clearing banks to debit or credit the account of a Clearing Member, and

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correspondingly debit or credit OCC's account, with a specific dollar amount by a specified time. Settlement finality occurs when a clearing bank confirms the settlement instruction or is silent past the applicable deadline.

h. Custody and Investment

OCC's custody and investment risk is primarily managed by Corporate Finance with support from Business Operations and FRM in accordance with OCC Rules 604 and 1002(b). OCC holds its own and its Clearing Members' assets at approved settlement and custodian banks, as well as through linkages with other financial market utilities. OCC requires settlement and custodian banks to meet minimum financial and operational requirements. OCC complies with applicable customer protection and segregation requirements for the handling of customer funds. OCC maintains working capital and noninvested Clearing Member cash in accounts that minimize delays in access to funds. OCC maintains accounts at the Federal Reserve to hold funds. OCC invests in instruments with minimal credit, market, and liquidity risks.

i. General Business

OCC's general business risk is primarily managed by Corporate Finance with support from Information Technology, Business Operations, and FRM. Corporate Finance performs financial planning and analysis, reviews operating budgets and fee structures, and reviews business performance. OCC maintains liquid net assets funded by equity sufficient to cover potential general business losses and comply with financial resource requirements in accordance with its confidential Capital Management Policy. Furthermore, Information Technology reviews OCC's ability to maintain its core services under a range of scenarios, including adverse market conditions. Business Operations and FRM also perform assessments to determine if potential new business opportunities fit within OCC's models and risk management systems.

j. Technology

OCC's technology risk is managed by Information Technology. OCC uses technology solutions to manage risk and facilitate clearing and settlement by utilizing systems that have adequate levels of availability, security, resiliency, integrity, and adequate, scalable capacity based on their criticality. Information Technology manages technology risk by utilizing a structured technology delivery approach that provides for consistency and establishes responsibilities and requirements. Information Technology monitors and evaluates technology performance based on service levels related to data integrity, system availability, data timeliness and data quality to manage technology risk. To achieve these service levels, Information Technology manages OCC's efforts across technology incidents, changes, configurations, system capacity, and evaluates system recoverability through disaster recovery testing.

k. Legal

OCC's legal risk is managed through efforts across OCC that are advised by Legal. OCC manages its legal risk by establishing, implementing and enforcing written documents, including Rules and By-Laws, policies, and legal agreements, that are reasonably designed to provide a well-founded, clear, transparent, and enforceable legal basis for each aspect of OCC's activities in all relevant jurisdictions and comply with applicable legal and regulatory requirements. In order to manage legal risk across OCC, Legal provides counsel to OCC on laws, regulations, other legal obligations applicable to OCC, and employees are required to consult with Legal on (i) matters that may involve application of or interpretation of laws and regulations, (ii) actual or potential legal claims against OCC, (iii) government or regulatory requests or inspections, (iv) matters that may be the subject of a regulatory filing including

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OCC's Rules and By-Laws, (v) identification and protection of OCC intellectual property, (vi) interpretation of contractual obligations between third parties and OCC, and (vii) recommended contractual protections for OCC business activities.

B. Second Line of Defense

OCC's second line of defense includes Compliance, Corporate Risk Management, Security, and Business Continuity functions. The second line has no operational authority or responsibility for the first line to prevent conflicts of interest. The second line provides objective analysis to identify potential enhancements and improvements to first line processes to help ensure compliance with applicable laws and regulations and prudent risk management. Second line management reports to Board committees and has the authority to escalate information to the first line, Management Committee, and Board. Additionally, second line management provides reports to the Board at least quarterly at its scheduled meetings.

a. Compliance

Compliance oversees OCC's management of compliance risk and adherence to applicable rules and regulations, policies, procedures, processes, controls, and standards of conduct. Compliance manages compliance risk by establishing processes to prevent, detect, respond to, and report on compliance risk. Compliance supports and assesses the management of compliance risk through advising, monitoring, reporting, testing, and training activities and maintains mechanisms for reporting unethical or fraudulent behavior or misconduct.

b. Corporate Risk Management

Corporate Risk Management evaluates enterprise risk by identifying, measuring, monitoring, managing, reporting, and escalating risks to inform decision-making in accordance with the Corporate Risk Management Policy. Corporate Risk Management evaluates enterprise risk to provide an understanding of inherent and residual risks as compared against Board-approved levels.

i. Operational Risk and Financial Risk Oversight

Operational Risk and Financial Risk Oversight provide independent oversight, guidance, challenge, and monitoring to the organization on its risk identification, assessment, and treatment, including its internal controls, in order to manage the organization's risk and to support the Management Committee and Board in providing effective oversight of OCC's operational, financial, and enterprise risks.

ii. Third-Party Risk

Third-Party Risk Management evaluates risks posed to OCC by third parties by identifying, measuring, monitoring, managing, reporting, and escalating risks as described in the Third-Party Risk Management Framework. Third-Party Risk Management aggregates information about the risks presented by third parties based on their relationships to OCC.

iii. Model Risk Management

Model Risk Management performs independent model validation, evaluates model parameters and assumptions, assesses mitigating factors, and provides effective and independent challenge throughout

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OCC's Risk Methodology lifecycle in accordance with its confidential Model Risk Management Policy. Risk Methodologies are governed and independently assessed and certified to determine adequate performance at least annually. This includes model testing and performance monitoring (e.g., backtesting, sensitivity analysis).

iv. Default Management

OCC's default management risk is overseen by Corporate Risk Management and primarily implemented by FRM, Business Operations, and Corporate Finance in accordance with OCC's confidential Default Management Policy and Chapter XI of OCC's Rules. In the event of a Clearing Member default, OCC takes timely action to contain losses and liquidity pressures and continue to meet its obligations. OCC closes open positions in an orderly manner, which may include performing auctions, utilizing liquidation agents, or transferring positions to a non-suspended Clearing Member. Margin and Clearing Fund deposits of the defaulting Clearing Member are used to offset any realized losses, followed by other financial resources. OCC performs default testing at least annually with the participation of designated Clearing Members and other stakeholders to evaluate its processes and systems, including close-out processes. The Default Management Policy also governs failures of settlement banks and linked financial market utilities.

c. Security

Security manages information, physical, and personnel security risk to safeguard the confidentiality, integrity, and availability of corporate information systems and data assets implemented and maintained by Information Technology. Security employs a risk-based methodology and controls to manage information governance, system resiliency, and cyber security. In addition, Security maintains policies and procedures that require appropriate protective controls and event detection via security monitoring. Security evaluates its processes and controls through internal and external testing, scanning for threats and vulnerabilities, and benchmarking against industry standards.

Security conducts cyber risk assessments ("ITRA") to document changes or additions to OCC's cyber risk posture, which are triggered by the procurement of new technologies, changes to the technology environment, requests for extensions and/or revisions to security-related findings, or requests from the Chief Security Officer. A cyber risk assessment may also be triggered by the onboarding and periodic review of third parties.

d. Business Continuity

Business Continuity maintains a business continuity program that establishes OCC's plan for maintaining backup and recovery capabilities that are sufficiently resilient and geographically diverse to address both internal and external events that could impact OCC's operations.

C. Third Line of Defense

OCC's third line of defense consists of Internal Audit. Internal Audit is independent and reports directly to the Audit Committee of the Board ("Audit Committee") to ensure this independence; the Audit Committee oversees the activities performed by Internal Audit in accordance with the Audit Committee Charter. Internal Audit has no responsibility for first or second line functions. Internal Audit designs, implements, and maintains an audit program that provides the Management Committee and Audit Committee independent and objective assurance related to the quality of OCC's risk management, governance, compliance, controls, and business processes in accordance with the confidential Internal Audit Policy.

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Internal Audit issues independent reports to the first and second line as well as the Audit Committee and Board.

V. RECOVERY AND ORDERLY WIND-DOWN PLAN

In the event of extreme financial, operational, or general business stress, OCC may invoke its Recovery and Orderly Wind-Down Plan which is maintained and facilitated by Corporate Risk Management and details the departments responsible for executing the plan. OCC employs a set of recovery tools in the event of severe financial, operational, or general business stress, to continue to provide critical clearing and settlement services. Should OCC's recovery efforts be unsuccessful or if, based on facts and circumstances, it is determined that its recovery tools would be insufficient, OCC has a wind-down plan that provides for the orderly resolution of the firm.

VI. RISK ACCEPTANCES AND DEVIATIONS

Risk acceptances, including deviations or exceptions to OCC's risk management frameworks and policies, shall be escalated to Corporate Risk Management and Compliance in accordance with the Corporate Risk Management Policy and Policy Governance Policy.