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Sent: Wednesday, December 6, 2023 7:59 AM
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Subject: Internal Audit Report: Satisfactory Risk Based Audit of GT CIO Aladdin

INTERNAL AUDIT DEPARTMENT

Internal Audit has performed an audit of the key controls within the Global Technology Asset Management, Financial Management and Corporate Technology (GT AMFMCT) organization in support of the Chief Investment Office (CIO) Aladdin investment portfolio management platform for the period January 1, 2023 to October 31, 2023. An audit is designed to provide reasonable assurance as to the design and effectiveness of the system of internal controls implemented by management. Internal Audit's testing did not result in the identification of any issues.

Control Condition: Satisfactory

Control Environment: Satisfactory

Rating Rationale:

Based on the results of the work performed, Internal Audit has concluded that the system of internal controls implemented by management is adequately designed and operating as intended to mitigate the risks of the function. As a result, Control Condition has been rated Satisfactory. In addition, management's practices are in line with expectations, and the processes and structure in place to manage behaviors that impact risk practices are adequately designed. As a result, Control Environment has been rated Satisfactory.

Scope:

The scope included an assessment of the design and effectiveness of the key controls related to the CIO Aladdin Software as a Service (SaaS), which is an investment portfolio management and risk platform covering all asset classes.

The audit focused on certain key risks including:

- Information Technology (IT) - Inadequate System Performance and Availability, System Delivery Failures, Lack of Data / Data Management
- Information Security - Unauthorized Data Access, Inadvertent Data Exposure
- Business Continuation - Unavailability of Third-Party Services
- People and Governance - Lack of Adequate Governance

Testing focused on controls in certain key processes including:

- Change Management, including Testing, Segregation of Environment and Duties, Code Version Control
- Restriction of Privileged User Access, Service Account Management, Access Recertification Reviews, SaaS Security Authentication Configuration
- Integrity and Completeness of Interfaces, including Input/Output Reconciliation

- System Operations & Business Continuity (BC)
- Incident & Problem Management, including Monitoring of SLAs and Deviations

The following process was excluded from the scope of the review:

- Segregation of Duties within Bitbucket due to other audit coverage on the 2023 GT Central Express and GT AMFMCT AWS and Data Lake Audits.

Any questions regarding this report should be directed to the Group Vice President or Vice President responsible for the audit, Jerry Roman and Rossana Garcia. respectively.

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