



The Northern Trust Company, Canada
Basel III Pillar III Disclosure
as at March 31, 2015

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NORTHERN TRUST OVERVIEW & SCOPE OF APPLICATION

This document presents the capital structure and capital adequacy calculations based on Basel III guidelines on an “All-in” basis. The Office of the Superintendent of Financial Institutions Canada (OSFI) requires all institutions to implement the Basel III framework. The Northern Trust Company, Canada (TNTCC) complies with the Basel III framework as it applies:

- Pillar 1: Minimum Capital Requirements. Senior management and TNTCC Board of Directors have adopted the Standardized Approach to Credit Risk and the Basic Indicator Approach to Operational Risk to determine the company’s capital requirements under Basel Capital Adequacy Reporting (BCAR);
- Pillar 2: The Supervisory Review Process. TNTCC completes an Internal Capital Adequacy Assessment Process (ICAAP) at least annually, with the results reviewed and approved by TNTCC Board of Directors; and
- Pillar 3: Market Discipline. This Pillar 3 disclosure document has been prepared to provide information on TNTCC’s risk management objectives and policies, its capital position, its approach to assessing the adequacy of its capital and its exposure to material risks.

TNTCC was, by Letters Patent of Continuance, continued as a trust company under the *Trust and Loan Companies Act* (Canada) in July 1993 and OSFI issued an order approving TNTCC to commence and carry out trust business in January 1994. TNTCC is a wholly owned subsidiary of The Northern Trust Company (TNTC) and is a federal Canadian Trust Company regulated by OSFI and by TNTC’S lead regulator, the Federal Reserve Bank of Chicago (FRBC).

The business activities of TNTC in Canada are comprised of global custody and associated services, securities lending, asset management and fund administration services. These services are delivered through three Canadian regulated entities: TNTCC, the Canada Branch of TNTC (Canada Branch) and NT Global Advisors, Inc. (NTGA Canada). TNTC, through its three Canadian entities, is a mid-tier financial services provider in the Canadian market place.

To ensure that TNTCC maintains sufficient regulatory capital at all times, TNTCC manages its assets and liabilities in accordance with TNTCC’s Board of Directors approved criteria set forth in its Asset and Liability Management (ALCO) Policy. The ALCO Policy provides the basis for the TNTCC’s credit risk management and provides guidelines to govern the investment in securities and money market assets.

TNTCC does not currently engage in any activities that result in off-balance sheet exposures. Accordingly, its capital requirements are relatively stable.

Northern Trust Risk Management

TNTC has established an integrated Enterprise Risk Management Framework (ERM) that provides for a consistent understanding of risk management throughout the organization, including TNTCC, and acts as a reference of how various components are defined, aligned and linked to capital adequacy. It allows for active management of risk in conjunction with defined risk appetites.

TNTCC's risk appetite is low to moderate and its attitude toward risk is best described as judicious, with a long-term objective of stability. TNTCC's very strong capital base and liquid balance sheet enable it to pursue strategic growth opportunities and manage unexpected events. Risk is effectively managed by a comprehensive risk management program which involves related Northern Trust entities, as required.

This report is unaudited and the amounts are presented in Thousands of Canadian Dollars, unless otherwise disclosed. Financial results are prepared in accordance with International Financial Reporting Standards (IFRS).

LOCATION AND FREQUENCY OF DISCLOSURE

This disclosure is updated as required and published on NTC's website (www.northerntrust.com) on a quarterly basis.

CAPITAL STRUCTURE

The capital structure of TNTCC consists of Common Shares and Retained Earnings. TNTCC has authorized an unlimited number of common shares without par value. As at March 31, 2015, TNTCC had 30,000 common shares issued fully paid and outstanding.

Table 1 - Capital Structure

The table below provides a breakdown of TNTCC's capital structure:

	Q1 2014	Q2 2014	Q3 2014	Q4 2014	Q1 2015
Tier 1 Capital					
Share Capital	30,000	30,000	30,000	30,000	30,000
Retained Earnings	12,693	13,231	13,718	14,321	14,948
Total Tier 1 Capital¹	42,693	43,231	43,718	44,321	44,948
Total Capital	42,693	43,231	43,718	44,321	44,948

1. All capital held by TNTCC is Tier 1 Capital.

CAPITAL ADEQUACY

TNTCC has a thorough process to assess capital adequacy built around an internal view of its risk profile and a comprehensive capital planning process.

Projections of regulatory and internal capital requirements and available capital are compared to assess TNTCC's capital adequacy over a multi-year time period. Understanding regulatory and internal capital requirements, as well as available capital levels, under different circumstances is an important component of an entity's capital adequacy assessment. TNTCC's capital adequacy is assessed quarterly and is based on the Capital Management Policy and Capital Management Guideline (CMG) approved by the Board of Directors.

Table 2 - Modified Capital Disclosure Template ¹

The table below represents a modified version of the “All-in” capital disclosure template required by OSFI for Non-Domestic Systemically Important Banks:

	Q1 2014	Q2 2014	Q3 2014	Q4 2014	Q1 2015
	All-in	All-in	All-in	All-in	All-in
Common Equity Tier 1 capital: instruments and reserves					
1 Directly issued qualifying common share capital (and equivalent for non-joint stock companies) plus related stock surplus	30,000	30,000	30,000	30,000	30,000
2 Retained earnings	12,693	13,231	13,718	14,321	14,948
6 Common Equity Tier 1 capital before regulatory adjustments	42,693	43,231	43,718	44,321	44,948
29 Common Equity Tier 1 capital (CET1)	42,693	43,231	43,718	44,321	44,948
36 Additional Tier 1 capital before regulatory adjustments	-	-	-	-	-
44 Additional Tier 1 capital (AT1)	-	-	-	-	-
45 Tier 1 capital (T1 = CET1 + AT1)	42,693	43,231	43,718	44,321	44,948
58 Tier 2 capital (T2)	-	-	-	-	-
59 Total capital (TC = T1 + T2)	42,693	43,231	43,718	44,321	44,948
60 Total risk-weighted assets	32,877	33,764	36,801	36,584	36,089
Capital ratios					
61 Common Equity Tier 1 (as a percentage of risk weighted assets)	129.86%	128.04%	118.80%	121.15%	124.55%
62 Tier 1 (as a percentage of risk weighted assets)	129.86%	128.04%	118.80%	121.15%	124.55%
63 Total capital (as a percentage of risk weighted assets)	129.86%	128.04%	118.80%	121.15%	124.55%
OSFI all-in target					
69 Common Equity Tier 1 capital all-in target ratio	7.0%	7.0%	7.0%	7.0%	7.0%
70 Tier 1 capital all-in target ratio	8.5%	8.5%	8.5%	8.5%	8.5%
71 Total capital all-in target ratio	10.5%	10.5%	10.5%	10.5%	10.5%

1. Numbering in the above table corresponds to the OSFI prescribed template

Table 3 - Capital Requirements

The Pillar III capital requirements of TNTCC are provided in the following table:

	Q1 2014	Q2 2014	Q3 2014	Q4 2014	Q1 2015
Capital Requirements for Credit Risk					
Deposits with Regulated Financial Institutions	4,342	7,219	4,580	5,645	4,608
Risk Weighted - Deposits with Regulated Financial Institutions	868	1,444	916	1,129	922
Government Treasury Bills	35,801	32,809	32,753	32,742	34,273
Risk Weighted - Government Treasury Bills	-	-	-	-	-
Other Assets	5,659	6,370	9,447	8,742	8,704
Risk Weighted - Other Assets	5,659	6,370	9,447	8,742	8,704
Total Risk Weighted Assets for Credit Risk	6,527	7,814	10,363	9,871	9,626
Capital Requirements for Operational Risk					
Average three year gross income	14,056	13,843	14,099	14,244	14,112
Total Risk Weighted assets for Operational Risk	26,350	25,950	26,438	26,713	26,463
Total Risk Weighted Assets	32,877	33,764	36,801	36,584	36,089

Per OSFI's Liquidity Adequacy Requirements (LAR) Guideline, TNTCC is required to maintain a liquidity coverage ratio (LCR) with a value no lower than 100%. As at March 31, 2015, TNTCC's LCR exceeded this requirement.

The Basel Committee on Banking Supervision (BCBS) requires banks to disclose their leverage ratio beginning January 2015. This leverage ratio replaces the assets-to-capital (ACM) ratio. Currently the minimum ratio stipulated by BCBS is 3.0%. TNTCC's ratio as at March 31, 2015 is 94.5%.

CREDIT RISK

Credit risk is the risk to earnings and/or capital arising from the failure of a borrower or counterparty to perform on an obligation.

The primary sources of credit risk for TNTCC derive from issuer risk (as it pertains to Canadian government securities), counterparty risk (as it pertains to cash balances maintained with our nostro bank agent and client fee receivables) and concentration risk (as it pertains to concentrated exposure to Canadian sovereign debt).

The credit risk management process is documented in the TNTCC ALCO Policy. Central to this process is approval and monitoring of exposures. The nature of TNTCC's business is not to provide traditional commercial credit; it is not part of TNTCC's business plan to have a portfolio of loans. The ALCO Policy has been established and is maintained by the TNTCC Board of Directors to govern activities related to interest rate sensitivity, liquidity, the pledging of assets, and large exposures in accordance with the OSFI Guidelines.

Monitoring of client receivables is the responsibility of TNTCC. Exposures, including aging of such receivables, are reported to Management on a monthly basis. Actions are taken as and if necessary based on that review.

TNTCC credit risk is limited to Canada.

Given TNTCC's business focus, balance sheet, counterparties, product offerings and the extremely low risk nature of the credit exposures (predominantly Government of Canada securities), TNTCC's exposure to credit risk is not significant.

Table 4 - Residual Contract Maturity Breakdown

A breakdown of TNTCC's credit risk exposure by maturity is provided in the table below:

	Q1 2014	Q2 2014	Q3 2014	Q4 2014	Q1 2015
Floating rate	4,342	7,219	4,580	5,645	4,608
1 day to 1 month	8,495	14,090	9,794	-	-
Over 1 month to 3 months	8,983	-	-	8,990	8,585
Over 3 months to 6 months	8,573	9,772	8,969	8,564	8,460
Over 6 months to 1 year	9,750	8,947	13,990	15,188	17,228
Total Credit Gross Exposure	40,143	40,028	37,333	38,387	38,881

EXPOSURES RELATED TO COUNTERPARTY CREDIT RISK

For TNTCC, counterparty risk pertains to cash balances maintained with a nostro bank agent and client fee receivables.

Northern Trust Corporation (NTC's) Sub-custodian Oversight Committee is charged with evaluating proposals for the appointment or replacement of nostro bank agents for use by NTC legal entities. Upon review by the Sub-custodian Oversight Committee, TNTCC's Counterparty Risk Management Committee is ultimately responsible for approving all such appointments and replacements.

The nostro agent banks are usually systemically important banks. Exposures are monitored carefully and the assessment and approval of the network of nostro agents is focused on systemically important banks.

TNTCC utilizes the credit ratings from Standard and Poor's (S&P) for purposes of determining its capital adequacy.

The credit valuation adjustment (CVA) is an adjustment to the mid-market valuation of the trading portfolio due to the risk of losses associated with deterioration in the credit risk of the counterparty. Given the nature of TNTCC's operations a CVA capital charge is not required to total risk weighted assets.

Table 5 - Credit Exposure by Counterparty Type

A breakdown of TNTCC's credit risk exposure by asset class is provided in the table below:

	Q3 2014			Q4 2014			Q1 2015		
	Exposure (Gross)	Exposure (Net)	RWA	Exposure (Gross)	Exposure (Net)	RWA	Exposure (Gross)	Exposure (Net)	RWA
Sovereign ¹	32,753	32,753	-	32,742	32,742	-	34,273	34,273	-
Bank ²	4,580	4,580	916	5,645	5,645	1,129	4,608	4,608	922
Total	37,333	37,333	916	38,387	38,387	1,129	38,881	38,881	922

1. This asset class covers all exposures to counterparties treated as sovereigns under the standardized approach

2. This asset class covers exposures to banks and some securities firms

MARKET RISK AND LIQUIDITY RISK

Market risk results primarily from the sensitivity of the value of assets and liabilities, as well the sensitivity of net interest income, to changes in interest rates. Secondly, market risk results from changes in the value of trading positions due to movements in foreign exchange rates and interest rates.

Market & Liquidity risk is comprised of three sub-risks:

- Trading risk - risk of loss in trading positions from changes in the value of the trading position
- Interest rate risk - risk of loss due to significant unexpected changes in interest rates
- Liquidity funding risk - risk of loss due to the inability to raise capital to meet business needs

TNTCC engages in no trading activity and therefore is not required to hold any capital in relation to market risk.

Liquidity is not required to meet deposit liabilities of TNTCC as TNTCC is not engaged in banking activities and does not have any deposits. Sufficient working capital is maintained at all times to meet business requirements. Core investments are held in third-party bank deposits and Canadian government securities, which are considered liquid assets given their short maturities and marketability.

OPERATIONAL RISK

Operational risk is the risk of loss from inadequate or failed internal processes, people and systems or from external events. Operational risk reflects the potential for inadequate information systems, operating problems, product design and delivery difficulties or catastrophes that result in unexpected losses. TNTCC uses the basic indicator approach to measure operational risk. Operational risk is shown in Table 3 Capital Requirements.

All operational activity is outsourced to the Canada Branch and is carried out by the employees of the Canada Branch or TNTC. TNTCC does have moderate inherent operational risk which includes the oversight of the outsourced operations. Employment Practices and Workplace Safety risk is limited to the directors of TNTCC as applicable.

INTEREST RATE RISK IN THE BANKING BOOK

Interest rate risk is the risk of loss due to significant unexpected changes in interest rates.

The TNTCC ALCO Policy has been established and is maintained by the Board to govern activities related to interest rate sensitivity, liquidity, the pledging of assets, and large exposures in accordance with the OSFI Guidelines.

TNTCC's assets are generally held to maturity to meet one or more of the following objectives: provide interest income, manage interest rate risk, comply with applicable regulatory requirements or ensure adequate liquidity. Pursuant to the ALCO Policy, TNTCC may acquire debentures, bonds or other debt instruments of the Government of Canada or guaranteed by it; or deposits in banks, subject to TNTC's list of approved counterparties and limits. These investments are also subject to the volume, maturity, and credit guidelines outlined below.

Equity is the dominant funding source for TNTCC and the majority of the assets at March 31, 2015 are short-term Canadian government securities with an average maturity of approximately six months. As a result, TNTCC has minimal exposure to interest rate changes from a loss perspective.

Table 6 - Maturity and Size Restrictions

The maximum maturity of new purchases of an instrument and the total holdings obligations of a single issuer are limited according to the following table as defined in TNTCC's ALCO Policy:

Instruments	Maximum Maturity	Maximum Holdings of a Single Issuer	Concentration limits as % of Assets
Canadian Federal Government Securities	5 Years	No Limit	Sufficient to meet Regulatory Capital Requirement
Money Market Assets (deposits in banks)	3 Months	Available Credit Limit	No Limit

TNTCC measures interest rate risk by reference to OSFI's "Interest Rate Risk and Maturities Matching Return" (I3 Return). The cumulative one-month gap and thereafter in each period defined by the I3 Return should not exceed one hundred per cent (100%) of TNTCC's total equity.

REMUNERATION

Northern Trust's Total Compensation Policy applies to all partners world-wide. The Compensation and Benefits Committee of the NTC Board ("CBC") has primary responsibility for overseeing all global remuneration. The CBC consists of independent non-executive directors and takes advice from external consultants in all areas of compensation. Members of the CBC are compensated for their services with cash compensation and Restricted Stock Units (RSU). Total remuneration paid to the CBC members for 2014 was US\$1.1M with a combination of cash and stock. The CBC met 5 times during 2014.

A Canadian based Senior Management Group operates to monitor and implement the Canada regulatory compensation requirements.

"Senior Management" has been defined as those employees who are the heads of Control Functions and/or members of governing bodies and/or heads of significant business groups. There are 8 employees in the Senior Management Group consisting of the Canada CEO, Canada CFO, , Canada Legal Counsel, Canada Chief Compliance Officer, Canada Chief Risk Officer, Canada Chief Administrative Officer, SVP Relationship Management and Client Service and Canada SVP of Institutional Sales.

"Other Material Risk Takers" are defined as those teams and individuals attached to a function that could have the ability to impact the risk profile of the company, however these all operate within appropriate governance structures and under delegated authorized limits from Senior Management. There is 1 employee in the Other Material Risk Takers group, the VP of Finance and Controller.

Remuneration design and structure at NTC focuses on all elements of total compensation and differentiation to avoid entitlement and to develop a high performance culture. In addition to fixed remuneration, NTC offers variable compensation which includes short term and long term incentives where appropriate. The CBC reviews the remuneration policy on an annual basis. There were no changes made to the remuneration policy during the past year. Risk and Compliance employees have incentive awards funded from the Corporate Risk & Compliance pool and are not impacted by the business funding or results.

Annual review processes for all partners includes performance expectations related to the monitoring and mitigation of risk. In completing the annual performance evaluation and compensation planning, managers receive information on how to incorporate appropriate performance expectations relative to the management of risk into the review process. As part of the annual salary reviews and incentive process, managers recommend specific total compensation activities reflecting their discretionary assessment of specific objective and subjective factors including performance against risk expectations.

The global Head of Corporate Risk Management (“CRM”) participates in funding discussions that inform the recommendation to the CBC of corporate pool funding level as well as to the Chairman/CEO for the Business Unit allocation. CRM has developed a process to track and consolidate risk events for the plan year and this information is provided to Business Unit leaders and managers for incorporation in performance review and throughout the plan year. The global Head of CRM participates in quarterly discussions with Heads of Finance and Human Resources regarding the financial performance as well as consideration of risk factors such as credit loss reserves and operational losses.

The cash incentive pool funding is a discretionary pool amount set by the CBC. The funding level is based on several factors including a defined range percentage of pre-tax income, performance against profit plan and affordability. The profit plan determination includes risk considerations including reserves for credit and operational losses and other risk assessments. When choosing appropriate measures for incentive plans, these goals are aligned with those of the business.

As these business and financial goals are achieved, partners are rewarded accordingly to reinforce the value of their contribution. To determine an individual’s pay and incentive allocation, managers will take into consideration discretionary assessment of specific objective and subjective factors such as:

- corporate and business unit performance;
- performance within a standard risk expectation for all staff;
- prior and expected individual performance and long term impact; and
- team and individual contributions.

Performance factors can result in no increase to base pay and/or no cash incentive award for a specific performance period.

Total variable remuneration consists of two components:

- Cash incentive plan for cash bonuses. All regular partners within NTC are eligible for an incentive payment subject to performance;
- Long term equity awards. Equity is typically awarded in the form of RSUs. The purpose of the equity awards is to link current and future business leaders to overall long term performance of the organization. Long term equity awards typically vest over four years. Long term equity awards are subject to performance adjustment consideration at the time of vesting. Consistent with NTC's risk-mitigation strategies for its compensation program, the CBC shall review all outstanding RSUs in the case of a financial restatement or misconduct on behalf of the employee.

The Compensation policy is reviewed by the TNTCC Board of Directors on an annual basis.

Table 7a & 7b - Total Value of Remuneration Awards for Senior Management and Other Material Risk Takers

The tables below provides a breakdown of the total value of remuneration awards for Senior Management and Other Material Risk Takers:

Table 7a

	Unrestricted		Deferred	
	Year ended December 31		Year ended December 31	
	2013	2014	2013	2014
Fixed Remuneration				
•Cash-Based				
Wages(Regular)/Dividend Cash Equivalent	1,555	1,699	-	-
RRSP employer contributions	-	-	147	123
•Shares and Share-linked instruments	-	-	-	-
•Other	-	-	-	-
Variable Remuneration				
•Cash-Based				
Incentives and Sign-On Bonus	543	246	-	-
•Shares and Share-linked instruments	-	-	-	-
Stock Option/RSU Grants	-	-	321	218
•Other	-	-	-	-
Total	2,098	1,945	468	341

Table 7b

	Year ended December 31	
	2013	2014
Number of employees receiving variable remuneration	9	9
Number of employees and total amount of guaranteed bonuses	-	-
Total number of outstanding deferred remuneration shares (in shares)	12,703	6,880
Total amount of deferred remuneration paid out in year	257	87