



DEPOSITORY TRUST AND CLEARING CORPORATION

SCHEDULE OF HAIRCUTS FOR ELIGIBLE COLLATERAL SECURITIES

EFFECTIVE DATE: July 28, 2025

To help manage intraday transaction blockages due to DTC's Collateral Monitor risk management control, Participants can (i) designate additional securities as collateral (subject to the applicable collateral haircut listed in Table 2, below) (ii) process delivery-versus-payment transactions that will generate intraday credits, or (iii) submit settlement progress payments via Fedwire®. Participants can monitor their Collateral Monitor balance via the Risk Management Controls Inquiry link in the Cash and Balances tab in the Settlement Web.

For more information related to collateral processing at DTC, please see DTC's Settlement Service Guide¹ or reach out directly to your Relationship Manager or DTC Risk Hotline (212) 855-2260.

Lenders to the LOC Agreement

The banks listed in Table 1, below, are the lenders ("Lenders") to the joint DTC and NSCC committed 364-day line-of-credit facility effective July 28, 2025 ("LOC Agreement"). Pursuant to the LOC Agreement, securities issued by an affiliate of any Lender ("Lender Family Issued Securities" or "Lender FIS") are excluded as eligible collateral for securing a draw on the facility. The exclusion derives from compliance concerns for certain Lenders with Section 23A of the Federal Reserve Act ("Section 23A")² and Regulation W of the Board of Governors of the Federal Reserve System.³ In order to align the collateral value that DTC assigns to Lender FIS with the LOC Agreement, as part of DTC's risk management controls, DTC applies a 100% haircut and assigns no collateral value to any Lender FIS held as Net Additions in a Participant account.

Table 1 - Lenders to the LOC Agreement

Agricultural Bank of China Ltd, New York Branch	JPMorgan Chase Bank, N.A.
Associated Bank, N.A.	Landesbank Hessen-Thüringen Girozentrale, acting through its New York Branch
Australia and New Zealand Banking Group Limited	Lloyds Bank Corporate Markets Plc
Banco Bilbao Vizcaya Argentaria, S.A. New York Branch	Morgan Stanley Bank, N.A.
Bank of America, N.A.	MUFG Bank, Ltd.
Bank of China, New York Branch	Royal Bank of Canada
Bank of Communications Co., Ltd., New York Branch	Santander Bank, N.A.
Barclays Bank PLC	Standard Chartered Bank
Brown Brothers Harriman & Co.	State Street Bank and Trust Company
CIBC Bank USA	The Bank of New York Mellon
Citibank, N.A.	The Bank of Nova Scotia
Citizens Bank, NA	The Toronto-Dominion Bank, New York Branch
Commerzbank AG, New York Branch	U.S. Bank National Association
Credit Agricole Corporate and Investment Bank	UBS AG, Stamford Branch
Deutsche Bank AG New York Branch	United Overseas Bank Limited, New York Agency
Goldman Sachs Bank USA	Wells Fargo Bank, National Association
HSBC Bank USA, N.A. Industrial and Commercial	
Bank of China Limited, New York Branch	

¹ Available at <http://www.dtcc.com/~media/Files/Downloads/legal/service-guides/Settlement.pdf>

² 12 U.S.C. § 371c.

³ 12 CFR Part 223.

Table 2 – Eligible Collateral (All categories)

Security Type	Rating (S&P/Moody)	Collateral Haircut
Interest bearing United States Treasury Securities		
with remaining terms to maturity of up to 2 years		2%
with remaining terms to maturity in excess of 2 years and up to 5 years		3%
with remaining terms to maturity in excess of 5 years and up to 10 years		4%
with remaining terms to maturity in excess of 10 years		6%
Zero Coupon United States Treasury Securities		
with remaining terms to maturity of up to 2 years		2%
with remaining terms to maturity in excess of 2 years and up to 5 years		5%
with remaining terms to maturity in excess of 5 years		12%
Mortgage-Backed Securities (MBS) issued by		
a US Agency and US Government Sponsored Enterprise (GSE)		7%
all other GSEs not under US Govt conservatorship	AAA to AA / Aaa to Aa2	7%
a US Agency and US Government Sponsored Enterprise (GSE)	Rated below Aa2/AA	100%
all other GSEs not under US Govt conservatorship	Not Rated or rated below Aa2/AA	100%
Interest bearing Agency unsecured notes, debentures and other interest-bearing obligations of (i) instrumentalities of the U.S. or (ii) GSEs		
GNMA, FNMA, FHLMC, remaining terms to maturity of up to 10 years		5%
All other GSEs not under US Govt conservatorship with remaining terms to maturity of up to 10 years	AAA to AA / Aaa to Aa2	7%
GNMA, FNMA, FHLMC, remaining terms to maturity in excess of 10 years		7%
All other GSEs not under US Govt conservatorship with remaining terms to maturity in excess of 10 years	AAA to AA / Aaa to Aa2	10%
GNMA, FNMA, FHLMC with any remaining maturity	Rated below Aa2/AA	100%
All other GSEs not under US Govt conservatorship with any remaining maturity	Not Rated or rated below Aa2/AA	100%
Zero Coupon Agency unsecured notes, debentures and other interest-bearing obligations of (i) Instrumentalities of the U.S. or (ii) GSEs		
GNMA, FNMA, FHLMC, remaining terms to maturity of up to 5 years		7%
All other GSEs not under US Govt conservatorship with remaining terms to maturity of up to 5 years	AAA to AA / Aaa to Aa2	7%
GNMA, FNMA, FHLMC, remaining terms to maturity in excess of 5 years		12%
All other GSEs not under US Govt conservatorship with remaining terms to maturity in excess of 5 years	AAA to AA / Aaa to Aa2	18%
GNMA, FNMA, FHLMC with any remaining maturity	Rated below Aa2/AA	100%
All other GSEs not under US Govt conservatorship with any remaining terms to maturity	Not rated or rated below Aa2/AA	100%

Fixed-rate, non-callable, non-amortizing Canadian Dollar (CAD) - denominated negotiable debt obligations with fixed maturity, in book entry form, issued by the federal Government of Canada		
with remaining terms to maturity of up to 10 years	AAA / Aaa	4%
with remaining terms to maturity in excess of 10 years	AAA / Aaa	8%
Zero coupon Canadian Dollar (CAD) - denominated negotiable debt obligations with fixed maturity, in book entry form, issued by the federal Government of Canada		
with remaining terms to maturity of up to 10 years	AAA / Aaa	7%
with remaining terms to maturity in excess of 10 years	AAA / Aaa	14%
Agency CMOs		
Supported by US Govt conservatorship and 2 Vendor prices		20%
All other GSEs not under US Govt conservatorship	AAA to AA / Aaa to Aa2	20%
< 2 Vendor Prices		100%
Corporate Notes / Corporate Bonds		
Issued by a supranational institution	AAA to AA / Aaa to Aa2	20%
Issued by a corporation other than a supranational (<i>including those convertibles into equity at the holder's option</i>)	AAA to A- / Aaa to A3	20%
	BBB+ to BBB- / Baa1 to Baa3	30%
	BB+ to BB- / Ba1 to Ba3	40%
	B+ to B- / B1 to B3	70%
	CCC+ / Caa1 and below or unrated	100%
Municipal Bonds		
	AAA to A- / Aaa to A3	25%
	BBB+ to BBB- / Baa1 to Baa3	30%
	BB+ to BB- / Ba1 to Ba3	100%
	B+ / B1 and below or unrated	100%
Money market Instruments		
Corporate Commercial Paper Discount Notes (maturity not to exceed one year)	A-1+ to A-1 / P-1	6%
	A-2 / P-2	30%
	A-3 / P-3	100%
	below A-3 / P-3 or unrated	100%
Institutional Negotiable Certificates of Deposit (original maturity 270 days or less)	A-1+ to A-1 / P-1	6%
	A-2 / P-2	100%
	A-3 / P-3	100%
	below A-3 / P-3 or unrated	100%
Municipal Commercial Paper Discount Notes, Municipal Notes and Other Short Term Municipal Debt (maturity not to exceed one year)	SP-1+ to SP-1 / MIG-1	10%
	SP-2 / MIG-2	100%
	SP-3 / MIG-3	100%
	below SP-3 / MIG-3	100%
Preferred Stock in CP mode	All	100%
Bankers Acceptances	All	100%
Discount Notes	All	100%
Short Term Bank Notes	All	100%
Institutional Negotiable Certificates of Deposit		
original maturity greater than 270 days, with remaining maturity of up to five years	AAA to A- / Aaa to A3	10%
	BBB+ to BBB- / Baa1 to Baa3	25%
	BB+ to BB- / Ba1 to Ba3	100%
	B+ to B- / B1 to B3	100%
	CCC+ / Caa1 and below or unrated	100%
with remaining maturity of more than 5 years	All	100%
Corporate and Municipal Variable-Rate Demand Obligations (non-CP Mode)		
with 2 Agency Ratings	AAA / Aaa	20%
	AA+ to AA- / Aa1 to Aa3	35%
	A+ to A- / A1 to A3	50%
	BBB+ to BBB- / Baa1 to Baa3	75%
	BB+ / Ba1 and below or unrated	100%
less than 2 Agency Ratings		100%

Corporate and Municipal Variable-Rate Demand Obligations (in-CP Mode)	All	100%
Non-Agency CMOs		
2 Agency Ratings & 2 Vendor Prices	AAA / Aaa	50%
2 Agency Ratings & 2 Vendor Prices	AA+ to AA- / Aa1 to Aa3	60%
2 Agency Ratings & 2 Vendor Prices	A+ / A1 and below or unrated	100%
< 2 Agency Ratings or < 2 Vendor Prices		100%
Asset Backed Securities (ABS) supported by US Govt conservatorship and 2 Vendor prices		
Publicly issued Asset Backed Securities (ABS)		35%
2 Vendor prices	AAA / Aaa	35%
2 Vendor prices	AA+ to AA- / Aa1 to Aa3	45%
2 Vendor prices	A+ / A1 and below or unrated	100%
< 2 Vendor prices		100%
Equity Securities (Common, Preferred) listed on a U.S. national securities exchange, NASDAQ, or a Canadian securities exchange		
with a market price of \$10.00 or more per share or per other unit		25%
with a market price between \$7.50 and \$9.99 per share or per other unit		30%
with a market price between \$5.00 and \$7.49 per share or per other unit		50%
with a market price below \$5.00 per share or per other unit		100%
Equity Securities (Warrants, Rights, Units, Closed End Mutual Funds) listed on a U.S. national securities exchange, NASDAQ, or a Canadian securities exchange with a market price of \$5.00 or more per share or per other unit		
with a market price of \$5.00 or more per share or per other unit		50%
with a market price below \$5.00 per share or per other unit		100%
American Depository Receipts (ADRs) traded OTC		
with a market price of \$5.00 or more per share or per other unit		50%
with a market price below \$5.00 per share or per other unit		100%
UITs listed or not listed on a U.S. national securities exchange, NASDAQ, or a Canadian securities exchange		
with a market price of \$5.00 or more per share or per other unit		50%
with a market price below \$5.00 per share or per other unit		100%
Equity Securities (Common, Preferred, Warrants, Rights, Units) not listed on a U.S. national securities exchange, NASDAQ, or a Canadian securities exchange		
with a market price of \$5.00 or more per share or per other unit		65%
with a market price below \$5.00 per share or per other unit		100%
144A / Reg S (All Securities - Equity & Debt)	All	100%
Auction Rate Preferred Stock and Tender Rate Preferred Stock		100%

1. Securities are assigned a 100% haircut if the issue has matured, the issuer is in bankruptcy, or the security is not priced by a third-party vendor for a period of 3 business days or more.
2. No collateral value will be given for any ETF or other investment vehicle that includes Bitcoin or any other cryptocurrency as an underlying investment, hence will be subject to a 100% haircut.
3. DTC may reduce its risk by assigning higher haircuts, where applicable, to equity securities designated as highly volatile, based on their historical price volatility.