

## MARGIN REQUIREMENTS – Cboe FUTURES EXCHANGE

Effective 02-19-2019 - UPDATE

Contract	Speculative Customer Initial <sup>1</sup>	Customer Maintenance <sup>2</sup> Hedger & TPH <sup>3</sup> Initial Hedger & TPH Maintenance	Spread <sup>4</sup> Speculative Customer Initial	- Spread Customer Maintenance - Spread Hedger & TPH Initial - Spread Hedger & TPH Maintenance
<b>Cboe Volatility Index (VX) – Monthly Expirations<sup>5</sup></b>				
Mar.2019	\$8,800	\$8,000	See the VX table below.	See the VX table below.
Apr.2019	5,720	5,200		
May.2019	5,720	5,200		
Jun.2019	3,630	3,300		
Jul.2019	3,630	3,300		
Aug.2019	3,630	3,300		
Sep.2019	3,300	3,000		
Oct.2019	3,300	3,000		
Nov.2019	3,300	3,000		
<b>Cboe Volatility Index (VX) – Weekly Expirations<sup>6</sup></b>	\$8,800	\$8,000	\$3,069	\$2,790
<b>Cboe® iBoxx® iShares® \$ High Yield Corporate Bond Index Futures (IBHY)</b>				
All Contracts	\$1,320	\$1,200	\$759	\$690
<b>Cboe® iBoxx® iShares® \$ Investment Grade Corporate Bond Index Futures (IBIG)</b>				
All Contracts	\$1,265	\$1,150	\$660	\$600

Contract	Speculative Customer Initial <sup>1</sup>	Customer Maintenance <sup>2</sup> Hedger & TPH <sup>3</sup> Initial Hedger & TPH Maintenance	Spread <sup>4</sup> Speculative Customer Initial	- Spread Customer Maintenance - Spread Hedger & TPH Initial - Spread Hedger & TPH Maintenance
<b>Cboe Bitcoin (USD) Futures (XBT)</b>  <b>All Contracts</b>	44% of the current daily settlement price	40% of the current daily settlement price	1.10 (110%) x Spread Customer Maintenance	The net difference between the outright customer maintenance margin requirements on each long and short contract <b>plus</b> For each spread, a spread charge equal to 10% of the daily settlement price that is the greatest among all XBT futures contracts available for trading
<b>S&amp;P 500 Variance (VA)</b>  Mar.2019 Apr.2019 May.2019 Jun.2019 Jul.2019 Aug.2019 Sep.2019 Dec.2019 Mar.2020 Jun.2020 Dec.2020 Dec.2021	\$46 251 296 57 296 296 101 50 124 84 66 98	\$42 228 269 52 269 269 92 45 113 76 60 89	See the VA table below.	See the VA table below.
<b>Cboe/CBOT 10-Year Treasury Note Volatility Index (TYVIX)</b>	\$814	\$740	\$275	\$250

This margin information is only a brief summary and should only serve as a supplement to careful review of relevant CFE rules, OCC rules, Commodity Exchange Act (CEA) provisions, and CEA regulations dealing with margin requirements. The requirements explained here are based on publication date rules and regulations, and therefore, subject to change. This information should be used as a reference document and is not intended to be an all-encompassing restatement of applicable margin requirements. Brokerage firms may require customers to post higher margins than the minimum margins specified.

Cboe Volatility Index (VX)  
Intra-Commodity Rates (Calendar Spreads)

	Speculative Customer Initial	- Customer Maintenance - Hedger & TPH Initial - Hedger & TPH Maintenance
Month 1 vs. Month 2	\$3,311	\$3,010
Month 1 vs. Month 3	\$3,553	\$3,230
Month 1 vs. Month 4, 5 or 6	\$5,225	\$4,750
Month 1 vs. Month 7, 8 or 9	\$5,555	\$5,050
Month 2 vs. Month 3	\$1,111	\$1,010
Month 2 vs. Month 4, 5 or 6	\$2,145	\$1,950
Month 2 vs. Month 7 or 8	\$2,475	\$2,250
Month 2 vs. Month 9	\$2,607	\$2,370
Month 3 vs. Month 4, 5 or 6	\$2,145	\$1,950
Month 3 vs. Month 7, 8 or 9	\$2,475	\$2,250
Month 4 vs. Month 5	\$352	\$320
Month 4 vs. Month 6	\$473	\$430
Month 4 vs. Month 7	\$506	\$460
Month 4 vs. Month 8	\$704	\$640
Month 4 vs. Month 9	\$1,210	\$1,100
Month 5 vs. Month 6	\$198	\$180
Month 5 vs. Month 7	\$385	\$350
Month 5 vs. Month 8	\$451	\$410
Month 5 vs. Month 9	\$1,067	\$970
Month 6 vs. Month 7 or 8	\$385	\$350
Month 6 vs. Month 9	\$1,001	\$910
Month 7 vs. Month 8	\$363	\$330
Month 7 vs. Month 9	\$979	\$890
Month 8 vs. Month 9	\$924	\$840

S&P 500 Variance (VA)  
Intra-Commodity Rates (Calendar Spreads)

As the S&P 500 Variance futures margin rates generally differ by contract month, the table of calendar spread rates below is only a sample of the total number of combinations. However, for any combination of contract months, the spread margin rate can be determined by taking the absolute value of the difference between the outright margin rates on a 1:1 ratio for the two applicable contract months and adding \$50 per spread.

	Speculative Customer Initial	- Customer Maintenance - Hedger & TPH Initial - Hedger & TPH Maintenance
Tier 1 (Month 1) vs. Tier 2 (Month 2)	\$260	\$236
Tier 1 (Month 1) vs. Tier 3 (Month 3)	\$305	\$277
Tier 1 (Month 1) vs. Tier 4 (Month 4)	\$66	\$60
Tier 1 (Month 1) vs. Tier 5 (Month 5)	\$305	\$277
Tier 1 (Month 1) vs. Tier 6 (Month 6)	\$305	\$277
Tier 1 (Month 1) vs. Tier 7 (Month 7)	\$110	\$100
Tier 1 (Month 1) vs. Tier 8 (Month 8)	\$58	\$53
Tier 1 (Month 1) vs. Tier 9 (Month 9)	\$133	\$121
Tier 1 (Month 1) vs. Tier 10 (Month 10)	\$92	\$84
Tier 1 (Month 1) vs. Tier 11 (Month 11)	\$75	\$68
Tier 1 (Month 1) vs. Tier 12 (Month 12)	\$107	\$97

<sup>1</sup> Shading indicates customer initial margin requirements set by OCC. The customer initial margin requirement is 110% of OCC's clearing member margin requirement.

<sup>2</sup> CFE sets the customer maintenance margin requirement equal to the OCC clearing member margin requirement.

<sup>3</sup> TPH means the account of a person possessing a Trading Privilege Holder Permit that allows access to the Cboe Futures Exchange, LLC trading system.

<sup>4</sup> All spread margin requirements shown are for intra-commodity spreads.

<sup>5</sup> 85% inter-commodity spread credit vs. weekly VX.

<sup>6</sup> 85% inter-commodity spread credit vs. monthly VX.

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