

## MARGIN REQUIREMENTS – Cboe FUTURES EXCHANGE

Effective 12-06-2017

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 Hedger & TPH Initial Spread Hedger & TPH Maintenance
<b>Cboe Volatility Index (VX) – Monthly Expirations<sup>5 6</sup></b>  Dec.2017 Jan.2018 Feb.2018 Mar.2018 Apr.2018 May.2018 Jun.2018 Jul.2018 Aug.2018	\$6,215 4,015 4,015 2,860 2,860 2,860 2,530 2,530 2,530	\$5,650 3,650 3,650 2,600 2,600 2,600 2,300 2,300 2,300	See the VX table below.	See the VX table below.
<b>Cboe Volatility Index (VX) – Weekly Expirations<sup>7 8</sup></b>	\$6,215	\$5,650	\$2,750	\$2,500
<b>Cboe Russell 2000 Volatility Index (VU)<sup>9</sup></b>  Dec.2017 Jan.2018 Feb.2018 Mar.2018	\$3,465 2,464 2,464 2,464	\$3,150 2,240 2,240 2,240	See the VU table below.	See the VU table below.
<b>Cboe Bitcoin (USD) Futures (XBT)</b>  All Contracts	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 5% of the daily settlement price that is the greatest among all XBT futures contracts available for trading

S&P 500 Variance (VA)				
Dec. 2017	\$35	\$32		
Jan. 2018	66	60		
Feb. 2018	176	160		
Mar. 2018	119	108		
Jun. 2018	65	59	See the VA table below.	See the VA table below.
Sep. 2018	146	133		
Dec. 2018	53	48		
Jan. 2019	112	102		
Jun. 2019	87	79		
Dec. 2019	86	78		

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.

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/CBOT 10-Year Treasury Note Volatility Index (TYVIX)</b>	\$880	\$800	\$275	\$250

Cboe Volatility Index (VX)

Intra-Commodity Rates (Calendar Spreads)

	Speculative Customer Initial	- Customer Maintenance - Hedger & TPH Initial - Hedger & TPH Maintenance
Tier 1 (Month 1) vs. Tier 2 (Month 2, Month 3)	\$2,200	\$2,000
Tier 1 (Month 1) vs. Tier 3 (Month 4, Month 5, Month 6)	\$3,355	\$3,050
Tier 1 (Month 1) vs. Tier 4 (Month 7, Month 8, Month 9)	\$3,685	\$3,350
Tier 2 (Month 2, Month 3) vs. Tier 2 (Month 2, Month 3)	\$770	\$700
Tier 2 (Month 2, Month 3) vs. Tier 3 (Month 4, Month 5, Month 6)	\$1,276	\$1,160
Tier 2 (Month 2, Month 3) vs. Tier 4 (Month 7, Month 8, Month 9)	\$2,134	\$1,940
Tier 3 (Month 4, Month 5, Month 6) vs. Tier 3 (Month 4, Month 5, Month 6)	\$484	\$440
Tier 3 (Month 4, Month 5, Month 6) vs. Tier 4 (Month 7, Month 8, Month 9)	\$1,496	\$1,360
Tier 4 (Month 7, Month 8, Month 9) vs. Tier 4 (Month 7, Month 8, Month 9)	\$1,287	\$1,170

Cboe Russell 2000 Volatility Index (VU)

Intra-Commodity Rates (Calendar Spreads)

	Speculative Customer Initial	- Customer Maintenance - Hedger & TPH Initial - Hedger & TPH Maintenance
Tier 1 (Month 1) vs. Tier 2 (Month 2, Month 3, Month 4)	\$2,431	\$2,210
Tier 2 (Month 2, Month 3, Month 4) vs. Tier 2 (Month 2, Month 3, Month 4)	\$1,859	\$1,690

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)	\$86	\$78
Tier 1 (Month 1) vs. Tier 3 (Month 3)	196	178
Tier 1 (Month 1) vs. Tier 4 (Month 4)	139	126
Tier 1 (Month 1) vs. Tier 5 (Month 5)	85	77
Tier 1 (Month 1) vs. Tier 6 (Month 6)	166	151
Tier 1 (Month 1) vs. Tier 7 (Month 7)	73	66
Tier 1 (Month 1) vs. Tier 8 (Month 8)	132	120
Tier 1 (Month 1) vs. Tier 9 (Month 9)	107	97
Tier 1 (Month 1) vs. Tier 10 (Month 10)	106	96

<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 Permit 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> 75% inter-commodity spread credit vs. VU.

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

<sup>7</sup> 75% inter-commodity spread credit vs. VU.

<sup>8</sup> 85% inter-commodity spread credit vs. monthly VX.

<sup>9</sup> 75% inter-commodity spread credit vs. weekly and monthly VX.