

## MARGIN REQUIREMENTS – CBOE FUTURES EXCHANGE

Effective 09-25-2017

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 Spread Hedger & TPH Initial Spread Hedger & TPH Maintenance
<b>CBOE Volatility Index (VX) – Monthly Expirations<sup>5 6</sup></b>				
<b>Oct.2017</b>	\$6,215	\$5,650		
<b>Nov.2017</b>	4,015	3,650		
<b>Dec.2017</b>	4,015	3,650	See the VX table below.	See the VX table below.
<b>Jan.2018</b>	2,860	2,600		
<b>Feb.2018</b>	2,860	2,600		
<b>Mar.2018</b>	2,860	2,600		
<b>Apr.2018</b>	2,530	2,300		
<b>May.2018</b>	2,530	2,300		
<b>Jun.2018</b>	2,530	2,300		
<b>CBOE Volatility Index (VX) – Weekly Expirations<sup>7 8</sup></b>	\$6,215	\$5,650	\$3,520	\$3,200
<b>CBOE Russell 2000 Volatility Index (VU)<sup>9</sup></b>				
<b>Oct.2017</b>	\$3,762	\$3,420	See the VU table below.	See the VU table below.
<b>Nov.2017</b>	2,717	2,470		
<b>Dec.2017</b>	2,717	2,470		
<b>Jan.2018</b>	2,717	2,470		
<b>S&amp;P 500 Variance (VA)</b>				
<b>Oct.2017</b>	\$230	\$209	See the VA table below.	See the VA table below.
<b>Nov.2017</b>	278	253		
<b>Dec.2017</b>	45	41		
<b>Jan. 2018</b>	68	62		
<b>Mar.2018</b>	100	91		
<b>Jun. 2018</b>	56	51		
<b>Sep.2018</b>	281	255		
<b>Dec.2018</b>	54	49		
<b>Jan.2019</b>	281	255		
<b>Jun. 2019</b>	87	79		
<b>Dec. 2019</b>	79	72		

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)	\$1,430	\$1,300
Tier 2 (Month 2, Month 3) vs. Tier 4 (Month 7, Month 8, Month 9)	\$2,277	\$2,070
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)	\$1,606	\$1,460
Tier 4 (Month 7, Month 8, Month 9) vs. Tier 4 (Month 7, Month 8, Month 9)	\$1,408	\$1,280

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)	\$2,420	\$2,220
Tier 2 (Month 2, Month 3, Month 4) vs. Tier 2 (Month 2, Month 3, Month 4)	\$1,826	\$1,660

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)	\$103	\$94
Tier 1 (Month 1) vs. Tier 3 (Month 3)	240	218
Tier 1 (Month 1) vs. Tier 4 (Month 4)	217	197
Tier 1 (Month 1) vs. Tier 5 (Month 5)	185	168
Tier 1 (Month 1) vs. Tier 6 (Month 6)	229	208
Tier 1 (Month 1) vs. Tier 7 (Month 7)	106	96
Tier 1 (Month 1) vs. Tier 8 (Month 8)	231	210
Tier 1 (Month 1) vs. Tier 9 (Month 9)	106	96
Tier 1 (Month 1) vs. Tier 10 (Month 10)	198	180
Tier 1 (Month 1) vs. Tier 11 (Month 11)	206	187

<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.