

MARGIN REQUIREMENTS – Cboe FUTURES EXCHANGE

Effective 03-03-2020

| Contract | Speculative Customer Initial ¹ | Customer Maintenance ² Hedger & TPH ³ Initial Hedger & TPH Maintenance | Spread ⁴ Speculative Customer Initial | - Spread Customer Maintenance - Spread Hedger & TPH Initial - Spread Hedger & TPH Maintenance |
|--|---|--|---|---|
| Cboe Volatility Index Futures (VX) – Monthly Expirations⁵ Mar.2020 Apr.2020 May.2020 Jun.2020 Jul.2020 Aug.2020 Sep.2020 Oct.2020 Nov.2020 | \$8,800 5,720 5,720 3,630 3,630 3,630 3,300 3,300 3,300 | \$8,000 5,200 5,200 3,300 3,300 3,300 3,000 3,000 3,000 | See the VX table below. | See the VX table below. |
| Cboe Volatility Index Futures (VX) – Weekly Expirations⁶ | \$8,800 | \$8,000 | \$3,069 | \$2,790 |
| Cboe 7-Day AMERIBOR Futures (AMW) | \$405 | \$368 | \$405 | \$368 |
| Cboe Three-Month AMERIBOR Futures (AMB3) | \$433 | \$394 | \$433 | \$394 |

| Contract | Speculative Customer Initial ¹ | Customer Maintenance ² Hedger & TPH ³ Initial Hedger & TPH Maintenance | Spread ⁴ Speculative Customer Initial | - Spread Customer Maintenance - Spread Hedger & TPH Initial - Spread Hedger & TPH Maintenance |
|--|---|--|---|---|
| Cboe® iBoxx® iShares® \$ High Yield Corporate Bond Index Futures (IBHY) | \$2,074 | \$1,885 | \$935 | \$850 |
| Cboe® iBoxx® iShares® \$ Investment Grade Corporate Bond Index Futures (IBIG) | \$1,865 | \$1,695 | \$770 | \$700 |
| S&P 500 Variance Futures (VA) Mar.2020 Apr.2020 May.2020 Jun.2020 Jul.2020 Aug.2020 Sep.2020 Oct.2020 Nov.2020 Dec.2020 Jan.2021 Jun.2021 Dec.2021 Dec.2022 | \$68 213 232 56 251 251 96 112 100 39 105 75 65 92 | \$62 194 211 51 228 228 87 102 91 35 95 68 59 84 | See the VA table below. | See the VA table below. |
| Cboe/CBOT 10-Year Treasury Note Volatility Index Futures (TYVIX) | \$1001 | \$910 | \$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 Futures (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, 9, 10, 11 or 12 | \$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, 10, 11, or 12 | \$2,607 | \$2,370 |
| Month 3 vs. Month 4, 5 or 6 | \$2,145 | \$1,950 |
| Month 3 vs. Month 7, 8, 9, 10, 11 or 12 | \$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, 10, 11 or 12 | \$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, 10, 11 or 12 | \$1,067 | \$970 |
| Month 6 vs. Month 7 or 8 | \$385 | \$350 |
| Month 6 vs. Month 9, 10, 11 or 12 | \$1,001 | \$910 |
| Month 7 vs. Month 8 | \$363 | \$330 |
| Month 7 vs. Month 9, 10, 11 or 12 | \$979 | \$890 |
| Month 8 vs. Month 9, 10, 11 or 12 | \$924 | \$840 |
| Month 9 vs. Month 10,11 or 12 | \$924 | \$840 |
| Month 10 vs. Month 11 or 12 | \$924 | \$840 |
| Month 11 vs. Month 12 | \$924 | \$840 |

S&P 500 Variance Futures (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) | \$200 | \$182 |
| Tier 1 (Month 1) vs. Tier 3 (Month 3) | \$219 | \$199 |
| Tier 1 (Month 1) vs. Tier 4 (Month 4) | \$67 | \$61 |
| Tier 1 (Month 1) vs. Tier 5 (Month 5) | \$238 | \$216 |
| Tier 1 (Month 1) vs. Tier 6 (Month 6) | \$238 | \$216 |
| Tier 1 (Month 1) vs. Tier 7 (Month 7) | \$83 | \$75 |
| Tier 1 (Month 1) vs. Tier 8 (Month 8) | \$99 | \$90 |
| Tier 1 (Month 1) vs. Tier 9 (Month 9) | \$87 | \$79 |
| Tier 1 (Month 1) vs. Tier 10 (Month 10) | \$85 | \$77 |
| Tier 1 (Month 1) vs. Tier 11 (Month 11) | \$91 | \$83 |
| Tier 1 (Month 1) vs. Tier 12 (Month 12) | \$62 | \$56 |
| Tier 1 (Month 1) vs. Tier 13 (Month 13) | \$58 | \$53 |
| Tier 1 (Month 1) vs. Tier 14 (Month 14) | \$79 | \$72 |

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

² CFE sets the customer maintenance margin requirement equal to the OCC clearing member margin requirement.

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

⁴ All spread margin requirements shown are for intra-commodity spreads.

⁵ 85% inter-commodity spread credit vs. weekly VX.

⁶ 85% inter-commodity spread credit vs. monthly VX.

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