TO: Clearing Member Firms
Chief Financial Officers
Back Office Managers
Margin Managers

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Tuesday, February 06, 2018

To receive advanced notification of Performance Bond (margin) changes, through our free automated mailing list, go to

http://www.cmegroup.com/newsletter/web2lead/web2sf-old.html

and subscribe to the Performance Bond Rates Advisory Notice listserver.

As per the normal review of market volatility to ensure adequate collateral coverage, the Chicago Mercantile Exchange Inc., Clearing House Risk Management staff approved the performance bond requirements for the following products listed below.

The rates will be effective after the close of business on

Wednesday, February 07, 2018.

Current rates as of:

Tuesday, February 06, 2018.

In this current advisory there are changes to the Short Option Minimum and/or the Volatility Scan Range. Below are descriptions of what each change affects:

- The Short Option Minimum (SOM) is a charge that is applied only to portfolios concentrated in short options that do not generate a minimum margin requirement level when margins are calculated using the normal 16 SPAN scenarios. The SOM charge per short calls or short puts is a percentage of the outright margin on one underlying futures contract.

- The volatility scan range is the change in implied volatility that is used in each of SPAN's 16 scenarios.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EQUITY INDEX - Outright Rates								
BTIC EMINI FTSE 100 INDEX FUTURE (FTT)								
FTT	Spec		Increase	USD	2,200	2,000	2,475	2,250
FTT	Hedge/Member		Increase	USD	2,000	2,000	2,250	2,250
BTIC E-MINI NASDAQ BIOTECHNOLOGY (BIT)								
BIT	Spec		Increase	USD	8,250	7,500	9,350	8,500
BIT	Hedge/Member		Increase	USD	7,500	7,500	8,500	8,500
BTIC EMINI RUSSELL 1000 GROWTH FUT (RGT)								
RGT	Spec		Increase	USD	2,860	2,600	3,190	2,900
RGT	Hedge/Member		Increase	USD	2,600	2,600	2,900	2,900
BTIC EMINI RUSSELL1000 INDEX FUT (R1T)								
R1T	Spec		Increase	USD	2,750	2,500	3,080	2,800
R1T	Hedge/Member		Increase	USD	2,500	2,500	2,800	2,800
BTIC E-MINI S&P MIDCAP 400 FUT (EMT)								
EMT	Spec		Increase	USD	7,150	6,500	8,250	7,500
EMT	Hedge/Member		Increase	USD	6,500	6,500	7,500	7,500
BTIC EMINI USD FTSE 100 INDEX FUT (FTB)								
FTB	Spec		Increase	USD	1,650	1,500	1,870	1,700
FTB	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
BTIC ON E-MINI DJIA FUTURES (YMT)								
YMT	Spec		Increase	USD	4,620	4,200	5,280	4,800
YMT	Hedge/Member		Increase	USD	4,200	4,200	4,800	4,800
BTIC ON E-MINI NASDAQ-100 FUTURES (NQT)								
NQT	Spec		Increase	USD	5,720	5,200	6,380	5,800
NQT	Hedge/Member		Increase	USD	5,200	5,200	5,800	5,800
BTIC ON EMINI RUSSELL 1000 VALUE (RVT)								
RVT	Spec		Increase	USD	2,145	1,950	2,420	2,200
RVT	Hedge/Member		Increase	USD	1,950	1,950	2,200	2,200
BTIC ON EMINI RUSSELL 2000 INDEX FU (RLT)								
RLT	Spec		Increase	USD	3,245	2,950	3,630	3,300
RLT	Hedge/Member		Increase	USD	2,950	2,950	3,300	3,300
BTIC ON E-MINI S&P 500 FUTURES (EST)								
EST	Spec	Month 1	Increase	USD	5,555	5,050	6,105	5,550
EST	Hedge/Member	Month 1	Increase	USD	5,050	5,050	5,550	5,550
EST	Spec	Months 2+	Increase	USD	5,555	5,050	6,105	5,550

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EST	Hedge/Member	Months 2+	Increase	USD	5,050	5,050	5,550	5,550
BTIC REAL ESTATE SELECT INDEX FUT (XRT)								
XRT	Spec		Increase	USD	935	850	1,073	975
XRT	Hedge/Member		Increase	USD	850	850	975	975
BTIC S&P 500 / GROWTH (SGT)								
SGT	Spec		Increase	USD	16,500	15,000	18,150	16,500
SGT	Hedge/Member		Increase	USD	15,000	15,000	16,500	16,500
BTIC S&P/ CITIGROUP VALUE FUTURE (SUT)								
SUT	Spec		Increase	USD	11,275	10,250	12,375	11,250
SUT	Hedge/Member		Increase	USD	10,250	10,250	11,250	11,250
CONSUMER STAPLES SECTOR TIC (XPT)								
XPT	Spec		Increase	USD	1,100	1,000	1,265	1,150
XPT	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
E-MINI DJIA FUTURES MARKER (YMI)								
YMI	Spec		Increase	USD	4,620	4,200	5,280	4,800
YMI	Hedge/Member		Increase	USD	4,200	4,200	4,800	4,800
E-MINI DOW ($5) FUTURES (YM)								
YM	Spec		Increase	USD	4,620	4,200	5,280	4,800
YM	Hedge/Member		Increase	USD	4,200	4,200	4,800	4,800
E-MINI FTSE 100 INDEX FUTURES (FT1)								
FT1	Spec		Increase	USD	2,200	2,000	2,475	2,250
FT1	Hedge/Member		Increase	USD	2,000	2,000	2,250	2,250
EMINI FTSE 100 VALUE SYN MARKER (FTI)								
FTI	Spec		Increase	USD	2,200	2,000	2,475	2,250
FTI	Hedge/Member		Increase	USD	2,000	2,000	2,250	2,250
EMINI MIDCAP FUTURES (ME)								
ME	Spec		Increase	USD	7,150	6,500	8,250	7,500
ME	Hedge/Member		Increase	USD	6,500	6,500	7,500	7,500
E-MINI NASDAQ 100 FUTURES (NQ)								
NQ	Spec		Increase	USD	5,720	5,200	6,380	5,800
NQ	Hedge/Member		Increase	USD	5,200	5,200	5,800	5,800
E-MINI NASDAQ BIOTECH SYNT MARKER (BTT)								
BTT	Spec		Increase	USD	8,250	7,500	9,350	8,500
BTT	Hedge/Member		Increase	USD	7,500	7,500	8,500	8,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
E-MINI NASDAQ BIOTECHNOLOGY FUTURES (BQ)								
BQ	Spec		Increase	USD	8,250	7,500	9,350	8,500
BQ	Hedge/Member		Increase	USD	7,500	7,500	8,500	8,500
E-MINI NASDAQ-100 FUTURES MARKER (NQI)								
NQI	Spec		Increase	USD	5,720	5,200	6,380	5,800
NQI	Hedge/Member		Increase	USD	5,200	5,200	5,800	5,800
E-MINI NIKKEI 225 YEN DENOMINATED (ENY)								
ENY	Spec		Increase	JPY	91,300	83,000	105,600	96,000
ENY	Hedge/Member		Increase	JPY	83,000	83,000	96,000	96,000
E-MINI REAL ESTATE INDEX MARKER (XRI)								
XRI	Spec		Increase	USD	935	850	1,073	975
XRI	Hedge/Member		Increase	USD	850	850	975	975
EMINI RUSSELL 1000 GROWTH FUT (RSG)								
RSG	Spec		Increase	USD	2,860	2,600	3,190	2,900
RSG	Hedge/Member		Increase	USD	2,600	2,600	2,900	2,900
EMINI RUSSELL 1000 INDEX FUTURES (RS1)								
RS1	Spec		Increase	USD	2,750	2,500	3,080	2,800
RS1	Hedge/Member		Increase	USD	2,500	2,500	2,800	2,800
EMINI RUSSELL 1000 VALUE (RSV)								
RSV	Spec		Increase	USD	2,145	1,950	2,420	2,200
RSV	Hedge/Member		Increase	USD	1,950	1,950	2,200	2,200
EMINI RUSSELL 2000 INDEX FUTURES (RTY)								
RTY	Spec		Increase	USD	3,245	2,950	3,630	3,300
RTY	Hedge/Member		Increase	USD	2,950	2,950	3,300	3,300
E-MINI S&P 500 FUTURES (ES)								
ES	Spec	Month 1	Increase	USD	5,555	5,050	6,105	5,550
ES	Hedge/Member	Month 1	Increase	USD	5,050	5,050	5,550	5,550
ES	Spec	Months 2+	Increase	USD	5,555	5,050	6,105	5,550
ES	Hedge/Member	Months 2+	Increase	USD	5,050	5,050	5,550	5,550
E-MINI S&P 500 FUTURES MARKER (ESI)								
ESI	Spec	Month 1	Increase	USD	5,555	5,050	6,105	5,550
ESI	Hedge/Member	Month 1	Increase	USD	5,050	5,050	5,550	5,550
ESI	Spec	Months 2+	Increase	USD	5,555	5,050	6,105	5,550
ESI	Hedge/Member	Months 2+	Increase	USD	5,050	5,050	5,550	5,550

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
E-MINI S&P MIDCAP 400 SYNT MARKER (ETT)								
ETT	Spec		Increase	USD	7,150	6,500	8,250	7,500
ETT	Hedge/Member		Increase	USD	6,500	6,500	7,500	7,500
EMINI SP 500 CONS STAPLES SECTOR IX (XAP)								
XAP	Spec		Increase	USD	1,100	1,000	1,265	1,150
XAP	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
EMINI SP 500 ENERGY SECTOR INDEX (XAE)								
XAE	Spec		Increase	USD	2,860	2,600	3,190	2,900
XAE	Hedge/Member		Increase	USD	2,600	2,600	2,900	2,900
EMINI SP500 - FINANCIAL SECT INDEX (XAF)								
XAF	Spec		Increase	USD	3,300	3,000	3,630	3,300
XAF	Hedge/Member		Increase	USD	3,000	3,000	3,300	3,300
E-MINI SP500 CONS DISCRET SECTOR IX (XAY)								
XAY	Spec		Increase	USD	2,750	2,500	3,080	2,800
XAY	Hedge/Member		Increase	USD	2,500	2,500	2,800	2,800
E-MINI SP500 CONS DISCRET SYNTHETIC (1YT)								
1YT	Spec		Increase	USD	2,750	2,500	3,080	2,800
1YT	Hedge/Member		Increase	USD	2,500	2,500	2,800	2,800
E-MINI SP500 CONS DISCRET TAI (XYT)								
XYT	Spec		Increase	USD	2,750	2,500	3,080	2,800
XYT	Hedge/Member		Increase	USD	2,500	2,500	2,800	2,800
EMINI SP500- HEALTH CARE SECT INDEX (XAV)								
XAV	Spec		Increase	USD	2,420	2,200	2,750	2,500
XAV	Hedge/Member		Increase	USD	2,200	2,200	2,500	2,500
EMINI SP500 MATERIALS SECTOR INDEX (XAB)								
XAB	Spec		Increase	USD	1,980	1,800	2,255	2,050
XAB	Hedge/Member		Increase	USD	1,800	1,800	2,050	2,050
EMINI SP500-INDUSTRIAL SECTOR INDEX (XAI)								
XAI	Spec		Increase	USD	2,200	2,000	2,530	2,300
XAI	Hedge/Member		Increase	USD	2,000	2,000	2,300	2,300
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK)								
XAK	Spec		Increase	USD	2,035	1,850	2,310	2,100
XAK	Hedge/Member		Increase	USD	1,850	1,850	2,100	2,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EMINI USD FTSE 100 INDEX FUTURE (FTU)								
FTU	Spec		Increase	USD	1,650	1,500	1,870	1,700
FTU	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
EMINI USD FTSE100 VALUE SYN MARKER (FTZ)								
FTZ	Spec		Increase	USD	1,650	1,500	1,870	1,700
FTZ	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
FTSE EMERGING INDEX FUTURES (EI)								
EI	Spec		Increase	USD	1,870	1,700	2,090	1,900
EI	Hedge/Member		Increase	USD	1,700	1,700	1,900	1,900
NIKKEI 225 DOLLAR FUTURES (NK)								
NK	Spec		Increase	USD	4,565	4,150	5,280	4,800
NK	Hedge/Member		Increase	USD	4,150	4,150	4,800	4,800
NIKKEI 225 YEN FUT (N1)								
N1	Spec		Increase	JPY	456,500	415,000	528,000	480,000
N1	Hedge/Member		Increase	JPY	415,000	415,000	480,000	480,000
REAL ESTATE SELECT SECTOR FUTURES (XAR)								
XAR	Spec		Increase	USD	935	850	1,073	975
XAR	Hedge/Member		Increase	USD	850	850	975	975
S&P 500 / GROWTH SYNT MARKER (TGT)								
TGT	Spec		Increase	USD	16,500	15,000	18,150	16,500
TGT	Hedge/Member		Increase	USD	15,000	15,000	16,500	16,500
S&P 500 ANNUAL DIVIDEND INDEX FUT (SDA)								
SDA	Spec	Month 1	Increase	USD	110	100	165	150
SDA	Hedge/Member	Month 1	Increase	USD	100	100	150	150
SDA	Spec	Month 2	Increase	USD	132	120	193	175
SDA	Hedge/Member	Month 2	Increase	USD	120	120	175	175
SDA	Spec	Month 3	Increase	USD	193	175	220	200
SDA	Hedge/Member	Month 3	Increase	USD	175	175	200	200
S&P 500 FUTURES (SP)								
SP	Spec	Month 1	Increase	USD	27,775	25,250	30,525	27,750
SP	Hedge/Member	Month 1	Increase	USD	25,250	25,250	27,750	27,750
SP	Spec	Months 2+	Increase	USD	27,775	25,250	30,525	27,750
SP	Hedge/Member	Months 2+	Increase	USD	25,250	25,250	27,750	27,750
S&P VALUE INDEX SYNT MARKER (TST)								
TST	Spec		Increase	USD	11,275	10,250	12,375	11,250
TST	Hedge/Member		Increase	USD	10,250	10,250	11,250	11,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
S&P/ CITIGROUP GROWTH INDEX FUTURES (SG)								
SG	Spec		Increase	USD	16,500	15,000	18,150	16,500
SG	Hedge/Member		Increase	USD	15,000	15,000	16,500	16,500
S&P/ CITIGROUP VALUE FUTURES (SU)								
SU	Spec		Increase	USD	11,275	10,250	12,375	11,250
SU	Hedge/Member		Increase	USD	10,250	10,250	11,250	11,250
SP 500 - CONS STAPLES SYNTHETIC (1PT)								
1PT	Spec		Increase	USD	1,100	1,000	1,265	1,150
1PT	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
SP 500 - INDUSTRIAL SEL SECTOR SYNT (1IT)								
1IT	Spec		Increase	USD	2,200	2,000	2,530	2,300
1IT	Hedge/Member		Increase	USD	2,000	2,000	2,300	2,300
SP 500 ENERGY SELECT SECTOR TIC (XET)								
XET	Spec		Increase	USD	2,860	2,600	3,190	2,900
XET	Hedge/Member		Increase	USD	2,600	2,600	2,900	2,900
SP 500 ENERGY SLCT SEC SYNTHETIC (1ET)								
1ET	Spec		Increase	USD	2,860	2,600	3,190	2,900
1ET	Hedge/Member		Increase	USD	2,600	2,600	2,900	2,900
SP 500 FINANCIAL SECTOR TIC (XFT)								
XFT	Spec		Increase	USD	3,300	3,000	3,630	3,300
XFT	Hedge/Member		Increase	USD	3,000	3,000	3,300	3,300
SP 500 FINANCIAL SLCT SEC SYNT (1FT)								
1FT	Spec		Increase	USD	3,300	3,000	3,630	3,300
1FT	Hedge/Member		Increase	USD	3,000	3,000	3,300	3,300
SP 500 HEALTH CARE SECTOR SYNTHETIC (1VT)								
1VT	Spec		Increase	USD	2,420	2,200	2,750	2,500
1VT	Hedge/Member		Increase	USD	2,200	2,200	2,500	2,500
SP 500 HEALTH CARE SECTOR TIC (XVT)								
XVT	Spec		Increase	USD	2,420	2,200	2,750	2,500
XVT	Hedge/Member		Increase	USD	2,200	2,200	2,500	2,500
SP 500 INDUSTTRIAL SECTOR TIC (XIT)								
XIT	Spec		Increase	USD	2,200	2,000	2,530	2,300
XIT	Hedge/Member		Increase	USD	2,000	2,000	2,300	2,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SP 500 MATERIALS SEL SECTOR SYNTH (1BT)								
1BT	Spec		Increase	USD	1,980	1,800	2,255	2,050
1BT	Hedge/Member		Increase	USD	1,800	1,800	2,050	2,050
SP 500 MATERIALS SEL SECTOR TIC (XBT)								
XBT	Spec		Increase	USD	1,980	1,800	2,255	2,050
XBT	Hedge/Member		Increase	USD	1,800	1,800	2,050	2,050
SP 500 TECHNOLOGY SECTOR SYNTH (1KT)								
1KT	Spec		Increase	USD	2,035	1,850	2,310	2,100
1KT	Hedge/Member		Increase	USD	1,850	1,850	2,100	2,100
SP 500 TECHNOLOGY SECTOR TIC (XKT)								
XKT	Spec		Increase	USD	2,035	1,850	2,310	2,100
XKT	Hedge/Member		Increase	USD	1,850	1,850	2,100	2,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
		INTEREST RATES - Inter-commodity Spread Rates				
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 01						
Spread Credit Rate	Decrease	+2:-5	50%	50%	45%	45%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 01						
Spread Credit Rate	Decrease	+2:-3	65%	65%	60%	60%
5 Year Note (25) vs. Eurodollar (ED) Tier 01						
Spread Credit Rate	Decrease	+2:-1	60%	60%	50%	50%
Fed Funds (CBOT) (41) Tier 1 [contract 1] vs. Eurodollar (ED) Tier 3 [contracts 9-12]						
Spread Credit Rate	Decrease	+3:-5	40%	40%	35%	35%
Fed Funds (CBOT) (41) Tier 1 [contract 1] vs. Eurodollar (ED) Tier 4 [contracts 13-16]						
Spread Credit Rate	Decrease	+3:-5	40%	40%	35%	35%
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 1 [contracts 1-4]						
Spread Credit Rate	Decrease	+3:-5	70%	70%	65%	65%
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 10 [contracts 37-40]						
Spread Credit Rate	Decrease	+3:-5	50%	50%	45%	45%
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 11 [contracts 41-44]						
Spread Credit Rate	Decrease	+3:-5	50%	50%	45%	45%
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 2 [contracts 5-8]						
Spread Credit Rate	Decrease	+3:-5	70%	70%	55%	55%
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 3 [contracts 9-12]						
Spread Credit Rate	Decrease	+3:-5	50%	50%	45%	45%
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 8 [contracts 29-32]						
Spread Credit Rate	Decrease	+3:-5	55%	55%	45%	45%
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 9 [contracts 33-36]						
Spread Credit Rate	Decrease	+3:-5	50%	50%	45%	45%
Fed Funds (CBOT) (41) Tier 3 [contracts 5-12] vs. Eurodollar (ED) Tier 1 [contracts 1-4]						
Spread Credit Rate	Decrease	+3:-5	75%	75%	60%	60%
Fed Funds (CBOT) (41) Tier 3 [contracts 5-12] vs. Eurodollar (ED) Tier 2 [contracts 5-8]						
Spread Credit Rate	Decrease	+3:-5	75%	75%	70%	70%
Fed Funds (CBOT) (41) Tier 3 [contracts 5-12] vs. Eurodollar (ED) Tier 9 [contracts 33-36]						
Spread Credit Rate	Decrease	+3:-5	60%	60%	55%	55%
Fed Funds (CBOT) (41) Tier 4 [contracts 13-24] vs Eurodollar (ED) Tier 1 [contracts 1-4]						
Spread Credit Rate	Decrease	+3:-5	70%	70%	60%	60%
Fed Funds (CBOT) (41) Tier 4 [contracts 13-24] vs Eurodollar (ED) Tier 2 [contracts 5-8]						

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
Spread Credit Rate	Decrease	+3:-5	80%	80%	75%	75%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 1 [contracts 1-4]						
Spread Credit Rate	Decrease	+3:-5	60%	60%	50%	50%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 10 [contracts 37-40]						
Spread Credit Rate	Decrease	+3:-5	75%	75%	70%	70%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 11 [contracts 41-44]						
Spread Credit Rate	Decrease	+3:-5	75%	75%	70%	70%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 2 [contracts 5-8]						
Spread Credit Rate	Decrease	+3:-5	75%	75%	60%	60%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 8 [contracts 29-32]						
Spread Credit Rate	Decrease	+3:-5	75%	75%	70%	70%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 9 [contracts 33-36]						
Spread Credit Rate	Decrease	+3:-5	75%	75%	70%	70%
U.S. TREASURY BOND (17 - CME) vs EURODOLLAR (ED - CME) TIER 01						
Spread Credit Rate	Decrease	+1:-5	50%	50%	40%	40%
Ultra 10-Year U.S. Treasury Note Futures vs. 2 Year Treasury Note						
Spread Credit Rate	Decrease	+1:-3	70%	70%	65%	65%
ULTRA LONG TREASURY BOND (UBE - CME) vs 2 YR NOTE (26 - CME)						
Spread Credit Rate	Decrease	+1:-8	65%	65%	60%	60%
ULTRA LONG TREASURY BOND (UBE - CME) vs EURODOLLAR (ED - CME) TIER 05						
Spread Credit Rate	Decrease	+1:-5	70%	70%	60%	60%
ULTRA LONG TREASURY BOND (UBE - CME) vs EURODOLLAR (ED - CME) TIER 06						
Spread Credit Rate	Decrease	+1:-5	70%	70%	65%	65%
ULTRA LONG TREASURY BOND (UBE - CME) vs EURODOLLAR (ED - CME) TIER 07						
Spread Credit Rate	Decrease	+1:-5	70%	70%	65%	65%
ULTRA LONG TREASURY BOND (UBE - CME) vs FED FUNDS (41 - CME) Tier 5						
Spread Credit Rate	Decrease	+1:-8	70%	70%	65%	65%
ULTRA LONG TREASURY BOND (UBE - CME) vs U.S. TREASURY BOND (17 - CME) vs 10-YEAR T-NOTE (21 - CME) vs 5-YEAR T-NOTE (25 - CME) vs 2-YEAR T-NOTE (26 - CME) vs 3 YR NOTE (3YR - CME) vs ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME)						
Spread Credit Rate	Decrease	-3:-4:-12:-20:+	75%	75%	68%	68%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
EQUITY INDEX - Volatility Scan (volScan) Rate						
E-MINI DOW ($5) FUTURES (11, 11, DO, EYM, EZD, YM, YM, YMI, YMT) - volScan						
Clearing Member Rate		Increase		0.035		0.055
E-MINI NASDAQ-100 FUTURES (7H, DN, ND, ND, NQ, NQ, NQI, NQT, QN, YH) - volScan						
Clearing Member Rate		Increase		0.038		0.060
E-MINI RUSSELL 2000 INDEX FUTURES (RLT, RTM, RTO, RTY) - volScan						
Clearing Member Rate		Increase		0.040		0.060
S&P 500 (7S, 8A, 8B, ES, ES, ESI, EST, EV, EW, MDV, MDW, MMV, MMW, SP, SP, YP1) - volScan						
Clearing Member Rate	Months 2+	Increase		0.020		0.040
Clearing Member Rate	Month 1	Increase		0.040		0.060
INTEREST RATES - Volatility Scan (volScan) Rate						
10-YEAR T-NOTE (21, 21, 551, WYW) - volScan						
Clearing Member Rate		Increase		0.011		0.012