CME Group

TO:	Clearing Member Firms Chief Financial Officers Back Office Managers Margin Managers
FROM:	CME Clearing
SUBJECT:	Performance Bond Requirements
DATE:	Thursday, October 11, 2018

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

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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

Friday, October 12, 2018.

Current rates as of:

Thursday, October 11, 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								
CRUDE OIL - Outright Rates								
CANADIAN HEAVY CRUDE OIL (NET ENRGY) (CHB)								
CHB	Spec	All Mnths	Increase	USD	3,300	3,000	4,400	4,000
CHB	Hedge/Member	All Mnths	Increase	USD	3,000	3,000	4,000	4,000
EQUITY INDEX - Outright Rates								
BTIC CONSUMER STAPLES SECTOR TIC (XPT)								
XPT	Spec		Increase	USD	1,540	1,400	1,815	1,650
XPT	Hedge/Member		Increase	USD	1,400	1,400	1,650	1,650
BTIC EMINI RUSSELL 1000 GROWTH FUT (RGT)								
RGT	Spec		Increase	USD	3,190	2,900	3,520	3,200
RGT	Hedge/Member		Increase	USD	2,900	2,900	3,200	3,200
BTIC EMINI RUSSELL1000 INDEX FUT (R1T)								
R1T	Spec		Increase	USD	3,410	3,100	3,630	3,300
R1T	Hedge/Member		Increase	USD	3,100	3,100	3,300	3,300
BTIC E-MINI SP500 CONS DISCRET TAI (XYT)								
XYT	Spec		Increase	USD	4,070	3,700	4,730	4,300
XYT	Hedge/Member		Increase	USD	3,700	3,700	4,300	4,300
BTIC ON E-MINI NASDAQ-100 FUTURES (NQT)								
NQT	Spec		Increase	USD	6,765	6,150	7,150	6,500
NQT	Hedge/Member		Increase	USD	6,150	6,150	6,500	6,500
NQT	Spec	Months 2+	Increase	USD	6,765	6,150	7,150	6,500
NQT	Hedge/Member	Months 2+	Increase	USD	6,150	6,150	6,500	6,500
BTIC ON S&P 500 TOTAL RETURN INDEX (TRB)								
TRB	Spec		Increase	USD	4,455	4,050	4,950	4,500
TRB	Hedge/Member		Increase	USD	4,050	4,050	4,500	4,500
BTIC SP 500 TECHNOLOGY SECTOR TIC (XKT)								
XKT	Spec		Increase	USD	3,135	2,850	3,740	3,400
XKT	Hedge/Member		Increase	USD	2,850	2,850	3,400	3,400
BTIC SP 500 UTILITIES SEL SECTOR (XUT)								
XUT	Spec		Increase	USD	1,595	1,450	1,815	1,650
XUT	Hedge/Member		Increase	USD	1,450	1,450	1,650	1,650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
E-MINI NASDAQ-100 FUTURES (NQ)								
NQ	Spec		Increase	USD	6,765	6,150	7,150	6,500
NQ	Hedge/Member		Increase	USD	6,150	6,150	6,500	6,500
NQ	Spec	Months 2+	Increase	USD	6,765	6,150	7,150	6,500
NQ	Hedge/Member	Months 2+	Increase	USD	6,150	6,150	6,500	6,500
E-MINI NASDAQ-100 FUTURES MARKER (NQI)								
NQI	Spec		Increase	USD	6,765	6,150	7,150	6,500
NQI	Hedge/Member		Increase	USD	6,150	6,150	6,500	6,500
NQI	Spec	Months 2+	Increase	USD	6,765	6,150	7,150	6,500
NQI	Hedge/Member	Months 2+	Increase	USD	6,150	6,150	6,500	6,500
EMINI RUSSELL 1000 GROWTH FUT (RSG)								
RSG	Spec		Increase	USD	3,190	2,900	3,520	3,200
RSG	Hedge/Member		Increase	USD	2,900	2,900	3,200	3,200
EMINI RUSSELL 1000 INDEX FUTURES (RS1)								
RS1	Spec		Increase	USD	3,410	3,100	3,630	3,300
RS1	Hedge/Member		Increase	USD	3,100	3,100	3,300	3,300
EMINI SP 500 CONS STAPLES SECTOR IX (XAP)								
XAP	Spec		Increase	USD	1,540	1,400	1,815	1,650
XAP	Hedge/Member		Increase	USD	1,400	1,400	1,650	1,650
E-MINI SP500 CONS DISCRET SECTOR IX (XAY)								
XAY	Spec		Increase	USD	4,070	3,700	4,730	4,300
XAY	Hedge/Member		Increase	USD	3,700	3,700	4,300	4,300
E-MINI SP500 CONS DISCRET SYNTHETIC (1YT)								
1YT	Spec		Increase	USD	4,070	3,700	4,730	4,300
1YT	Hedge/Member		Increase	USD	3,700	3,700	4,300	4,300
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK)								
XAK	Spec		Increase	USD	3,135	2,850	3,740	3,400
XAK	Hedge/Member		Increase	USD	2,850	2,850	3,400	3,400
EMINI SP500-UTILITIES SECTOR INDEX (XAU)								
XAU	Spec		Increase	USD	1,595	1,450	1,815	1,650
XAU	Hedge/Member		Increase	USD	1,450	1,450	1,650	1,650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
S&P 500 ANNUAL DIVIDEND INDEX FUT (SDA)								
SDA	Spec	Month 5	Increase	USD	303	275	330	300
SDA	Hedge/Member	Month 5	Increase	USD	275	275	300	300
SDA	Spec	Month 6	Increase	USD	385	350	413	375
SDA	Hedge/Member	Month 6	Increase	USD	350	350	375	375
SDA	Spec	Month 7	Increase	USD	330	300	413	375
SDA	Hedge/Member	Month 7	Increase	USD	300	300	375	375
S&P 500 TOTAL RETURN INDEX FUTURE (TRF)								
TRI	Spec		Increase	USD	4,455	4,050	4,950	4,500
TRI	Hedge/Member		Increase	USD	4,050	4,050	4,500	4,500
S&P 500 TOTAL RETURN INDEX MARKER (TRM)								
TRM	Spec		Increase	USD	4,455	4,050	4,950	4,500
TRM	Hedge/Member		Increase	USD	4,050	4,050	4,500	4,500
SP 500 - CONS STAPLES SYNTHETIC (1PT)								
1PT	Spec		Increase	USD	1,540	1,400	1,815	1,650
1PT	Hedge/Member		Increase	USD	1,400	1,400	1,650	1,650
SP 500 TECHNOLOGY SECTOR SYNTH (1KT)								
1KT	Spec		Increase	USD	3,135	2,850	3,740	3,400
1KT	Hedge/Member		Increase	USD	2,850	2,850	3,400	3,400
SP 500 UTILITIES SEL SECTOR SYNTH (1UT)								
1UT	Spec		Increase	USD	1,595	1,450	1,815	1,650
1UT	Hedge/Member		Increase	USD	1,450	1,450	1,650	1,650
INTEREST RATES - Outright Rates								
2 YEAR TREASURY NOTE FUTURES (26)								
26	Spec	Mnth 1	Decrease	USD	506	460	451	410
26	Hedge/Member	Mnth 1	Decrease	USD	460	460	410	410
26	Spec	Mnths 2+	Decrease	USD	578	525	523	475
26	Hedge/Member	Mnths 2+	Decrease	USD	525	525	475	475
METALS - Outright Rates								
ALUMINA FOB AUSTRALIA PLATT FUTURES (ALA)								
ALA	Spec	Mths 1-4	Increase	USD	12,430	11,300	13,750	12,500
ALA	Hedge/Member	Mths 1-4	Increase	USD	11,300	11,300	12,500	12,500
ALA	Spec	Mths 3+	Increase	USD	12,430	11,300	13,750	12,500
ALA	Hedge/Member	Mths 3+	Increase	USD	11,300	11,300	12,500	12,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NATURAL GAS - Outright Rates								
COLUMB GULF MAINLINE NG BASIS (5Z)								
5Z	Spec	Mnth 1	Increase	USD	55	50	61	55
5Z	Hedge/Member	Mnth 1	Increase	USD	50	50	55	55
5Z	Spec	Mnths 2-5	Increase	USD	50	45	61	55
5Z	Hedge/Member	Mnths 2-5	Increase	USD	45	45	55	55
5Z	Spec	Mnths 6-12	Increase	USD	50	45	61	55
5Z	Hedge/Member	Mnths 6-12	Increase	USD	45	45	55	55
5Z	Spec	Mnths 13-24	Increase	USD	50	45	61	55
5Z	Hedge/Member	Mnths 13-24	Increase	USD	45	45	55	55
5Z	Spec	Mnths 25+	Increase	USD	55	50	61	55
5Z	Hedge/Member	Mnths 25+	Increase	USD	50	50	55	55
HENRY HUB TTF NAT GAS SPREAD FUTURE (NYP)								
NYP	Spec	Mnth 1	Increase	USD	4,620	4,200	5,280	4,800
NYP	Hedge/Member	Mnth 1	Increase	USD	4,200	4,200	4,800	4,800
NYP	Spec	Mnths 2	Increase	USD	4,180	3,800	4,840	4,400
NYP	Hedge/Member	Mnths 2	Increase	USD	3,800	3,800	4,400	4,400
NYP	Spec	Mnths 3+	Increase	USD	3,850	3,500	4,620	4,200
NYP	Hedge/Member	Mnths 3+	Increase	USD	3,500	3,500	4,200	4,200
HENRY HUB TTF NAT GAS SPREAD FUTURE (THD)								
THD	Spec	Mnth 1	Increase	USD	4,180	3,800	4,950	4,500
THD	Hedge/Member	Mnth 1	Increase	USD	3,800	3,800	4,500	4,500
THD	Spec	Mnths 2	Increase	USD	4,070	3,700	4,840	4,400
THD	Hedge/Member	Mnths 2	Increase	USD	3,700	3,700	4,400	4,400
THD	Spec	Mnths 3+	Increase	USD	3,850	3,500	4,730	4,300
THD	Hedge/Member	Mnths 3+	Increase	USD	3,500	3,500	4,300	4,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NGL/PETROCHEMICALS - Outright Rates								
CONWAY PROPANE 5 DEC. FUT (8K)								
8K	Spec	Mth 1	Increase	USD	2,420	2,200	2,805	2,550
8K	Hedge/Member	Mth 1	Increase	USD	2,200	2,200	2,550	2,550
8K	Spec	Mth 2	Increase	USD	2,090	1,900	2,475	2,250
8K	Hedge/Member	Mth 2	Increase	USD	1,900	1,900	2,250	2,250
8K	Spec	Mth 3	Increase	USD	1,980	1,800	2,365	2,150
8K	Hedge/Member	Mth 3	Increase	USD	1,800	1,800	2,150	2,150
8K	Spec	Mths 4-11	Increase	USD	1,815	1,650	2,200	2,000
8K	Hedge/Member	Mths 4-11	Increase	USD	1,650	1,650	2,000	2,000
8K	Spec	Mths 12-24	Increase	USD	1,705	1,550	2,090	1,900
8K	Hedge/Member	Mths 12-24	Increase	USD	1,550	1,550	1,900	1,900
8K	Spec	Mnths 25+	Increase	USD	1,705	1,550	2,090	1,900
8K	Hedge/Member	Mnths 25+	Increase	USD	1,550	1,550	1,900	1,900
CONWAY PROPNE (OPIS) BALMO FUT (CPB)								
CPB	Spec	Tier 3	Increase	USD	2,475	2,250	2,970	2,700
CPB	Hedge/Member	Tier 3	Increase	USD	2,250	2,250	2,700	2,700
CPB	Spec	Tier 1	Increase	USD	3,025	2,750	3,520	3,200
CPB	Hedge/Member	Tier 1	Increase	USD	2,750	2,750	3,200	3,200
CPB	Spec	Tier 2	Increase	USD	2,585	2,350	3,080	2,800
CPB	Hedge/Member	Tier 2	Increase	USD	2,350	2,350	2,800	2,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
				AGRICULTURE - Intra Spreads				
Lean Hog Butterfly 1/2/3 (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	1,320	1,200	1,485	1,350
LN	Hedge/Member		Increase	USD	1,200	1,200	1,350	1,350
Lean Hog Butterfly 1/2/3 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	1,320	1,200	1,485	1,350
HET	Hedge/Member		Increase	USD	1,200	1,200	1,350	1,350
Lumber (LB) - All Months (LUMBER110 FUTURES)								
LB	Spec		Increase	USD	1,485	1,350	1,650	1,500
LB	Hedge/Member		Increase	USD	1,350	1,350	1,500	1,500
				ELECTRICITY - Intra Spreads				
NYISO NYC In-City Capacity Calendar Month Swap Futures - All Months (NYISO NYC IN-CITY CAPACITY CAL MO)								
NNC	Spec		Increase	USD	6,600	6,000	8,800	8,000
NNC	Hedge/Member		Increase	USD	6,000	6,000	8,000	8,000
NYISO Rest of the State Capacity Calendar Month Swap Futures - All Months (NYISO REST OF STATE CAPACITY CAL MO)								
NRS	Spec		Increase	USD	6,600	6,000	8,800	8,000
NRS	Hedge/Member		Increase	USD	6,000	6,000	8,000	8,000
NYISO ZONE F 5 MW PEAK CALENDAR-MONTH DAY-AHEAD LBMP SWAP FUTURES - All Months (NYISO ZONE F 5MW PK FUT)								
4L	Spec		Increase	USD	660	600	880	800
4L	Hedge/Member		Increase	USD	600	600	800	800
PJM Meted Zone Off-Peak Calendar-Month Day-Ahead LMP - All Months (PJM METED ZONE OFFPK CAL MO LMP FUT)								
46	Spec		Increase	USD	14	13	22	20
46	Hedge/Member		Increase	USD	13	13	20	20
PJM PSEG Zone Off- Peak Calendar-Month Day-Ahead LMP - All Months (PJM PSEG DA OFF-PEAK)								
W6	Spec		Increase	USD	18	16	28	25
W6	Hedge/Member		Increase	USD	16	16	25	25

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
			METALS - Intra Spreads					
Mths 1-4 vs Mths 1-4 (ALUMINA FOB AUSTRALIA PLATT FUTURES)								
ALA	Spec		Increase	USD	11,000	10,000	13,200	12,000
ALA	Hedge/Member		Increase	USD	10,000	10,000	12,000	12,000
Mths 1-4 vs Mths 5+ (ALUMINA FOB AUSTRALIA PLATT FUTURES)								
ALA	Spec		Increase	USD	11,000	10,000	13,200	12,000
ALA	Hedge/Member		Increase	USD	10,000	10,000	12,000	12,000
Mths 5+ vs Mths 5+ (ALUMINA FOB AUSTRALIA PLATT FUTURES)								
ALA	Spec		Increase	USD	11,000	10,000	13,200	12,000
ALA	Hedge/Member		Increase	USD	10,000	10,000	12,000	12,000
			NATURAL GAS - Intra Spreads					
(HENRY HUB TTF NAT GAS SPREAD FUTURE)								
NYP	Spec		Increase	USD	3,025	2,750	3,850	3,500
NYP	Hedge/Member		Increase	USD	2,750	2,750	3,500	3,500
THD	Spec		Increase	USD	2,750	2,500	3,300	3,000
THD	Hedge/Member		Increase	USD	2,500	2,500	3,000	3,000
COLUMBUS GULF MAINLINE NG BASIS - All Months (COLUMB GULF MAINLINE NG BASIS)								
5Z	Spec		Increase	USD	66	60	83	75
5Z	Hedge/Member		Increase	USD	60	60	75	75
LNG Japan/Korea Marker (Platts) Swap Futures - All Months (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Spec		Increase	USD	4,400	4,000	5,060	4,600
JKM	Hedge/Member		Increase	USD	4,000	4,000	4,600	4,600
TTE Intras 1vs 2+ (DUTCH TTF NATURAL GAS FRONT MTH FUT)								
TTE	Spec		Increase	USD	2,365	2,150	3,025	2,750
TTE	Hedge/Member		Increase	USD	2,150	2,150	2,750	2,750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
			REFINED PRODUCTS - Intra Spreads					
Chicago Unleaded Gasoline (Platts) Swap - All Months (CHICAGO UNLEADED GAS(PLATTS) S)								
2C	Spec		Increase	USD	743	675	1,045	950
2C	Hedge/Member		Increase	USD	675	675	950	950
EuroBob Gasoline 10ppm (Platts) Rdam FOB Barges Swap - All Months (EUROBOB GAS10PPM (PLTS) RD FOB)								
7P	Spec		Increase	USD	5,775	5,250	8,085	7,350
7P	Hedge/Member		Increase	USD	5,250	5,250	7,350	7,350
European 1% Fuel Oil Calendar Swap (Northwest Europe) - Mnth 1 vs 2+ (EUROPE 1% FUEL OIL NWE CALFUT)								
UF	Spec		Increase	USD	6,600	6,000	8,800	8,000
UF	Hedge/Member		Increase	USD	6,000	6,000	8,000	8,000
European 1% Fuel Oil Calendar Swap (Northwest Europe) - Mnth 1 vs 2+ (MIN EUR 1% FUEL OIL CRGO FOBNWE FUT)								
0B	Spec		Increase	USD	660	600	880	800
0B	Hedge/Member		Increase	USD	600	600	800	800
European 1% Fuel Oil Calendar Swap (Northwest Europe) - Mnths 2+ vs 2+ (EUROPE 1% FUEL OIL NWE CALFUT)								
UF	Spec		New	USD			4,620	4,200
UF	Hedge/Member		New	USD			4,200	4,200
European 1% Fuel Oil Calendar Swap (Northwest Europe) - Mnths 2+ vs 2+ (MIN EUR 1% FUEL OIL CRGO FOBNWE FUT)								
0B	Spec		New	USD			462	420
0B	Hedge/Member		New	USD			420	420
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Month 2 vs Months 3+ (GAS EURO-BOB OXY (ARG) NEW BRG)								
7H	Spec		Decrease	USD	9,350	8,500	8,525	7,750
7H	Hedge/Member		Decrease	USD	8,500	8,500	7,750	7,750
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Month 2 vs Months 3+ (MINI GAS EUROBOB OXY BARGES FUT)								
MEO	Spec		Decrease	USD	9,350	8,500	8,525	7,750
MEO	Hedge/Member		Decrease	USD	8,500	8,500	7,750	7,750
GROUP THREE UNLEADED GASOLINE (PLATTS) SWAP - All Months (GROUP THREE SUB-OCT GAS (PLATTS))								
A9	Spec		Increase	USD	924	840	1,210	1,100
A9	Hedge/Member		Increase	USD	840	840	1,100	1,100
Los Angeles CARB Gasoline Swap - All Months (LOS ANGELES CARB GASOLINE FUT)								
MH	Spec		Increase	USD	1,320	1,200	1,870	1,700
MH	Hedge/Member		Increase	USD	1,200	1,200	1,700	1,700
Months 2-6 vs 7+ (EUROPE NAPHTHA CALFUT)								
UN	Spec		Increase	USD	6,600	6,000	8,580	7,800
UN	Hedge/Member		Increase	USD	6,000	6,000	7,800	7,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Months 2-6 vs 7+ (MIN EURO NPHTHA CIF NWE FUT)								
MNC	Spec		Increase	USD	660	600	858	780
MNC	Hedge/Member		Increase	USD	600	600	780	780
Months 7+ vs 7+ (EUROPE NAPHTHA CALFUT)								
UN	Spec		Increase	USD	4,950	4,500	6,215	5,650
UN	Hedge/Member		Increase	USD	4,500	4,500	5,650	5,650
Months 7+ vs 7+ (MIN EURO NPHTHA CIF NWE FUT)								
MNC	Spec		Increase	USD	495	450	622	565
MNC	Hedge/Member		Increase	USD	450	450	565	565
RBOB (Platts) Calendar Swap - All Months (RBOB (PLATTS) CAL FUT)								
RY	Spec		Increase	USD	385	350	495	450
RY	Hedge/Member		Increase	USD	350	350	450	450
Singapore Mogas 92 Unleaded (Platts) BALMO Swap - All Months (MOGAS92 UNLEADED (PLTS) BLM FUT)								
1P	Spec		Increase	USD	1,540	1,400	1,925	1,750
1P	Hedge/Member		Increase	USD	1,400	1,400	1,750	1,750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL - Inter-commodity Spread Rates						
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs PLATINUM FUTURES (NY-PL - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
DME Products - Inter-commodity Spread Rates						
COPPER FUTURES (CX-HG - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	40%	40%
DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME) vs COPPER FUTURES (CX-HG - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME) vs PALLADIUM FUTURES (NY-PA - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME) vs PLATINUM FUTURES (NY-PL - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME) vs SILVER FUTURES (CX-SI - CME)						
Spread Credit Rate	New	+1:-1			35%	35%
OMAN CRUDE OIL (NY-OQ - CME) vs PALLADIUM FUTURES (NY-PA - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
OMAN CRUDE OIL (NY-OQ - CME) vs PLATINUM FUTURES (NY-PL - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
OMAN CRUDE OIL (NY-OQ - CME) vs SILVER FUTURES (CX-SI - CME)						
Spread Credit Rate	New	+1:-1			35%	35%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
METALS - Inter-commodity Spread Rates						
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs PLATINUM FUTURES (NY-PL - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
COPPER FUTURES (CX-HG - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	40%	40%
DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME) vs COPPER FUTURES (CX-HG - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME) vs PALLADIUM FUTURES (NY-PA - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME) vs PLATINUM FUTURES (NY-PL - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME) vs SILVER FUTURES (CX-SI - CME)						
Spread Credit Rate	New	+1:-1			35%	35%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
OMAN CRUDE OIL (NY-OQ - CME) vs PALLADIUM FUTURES (NY-PA - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
OMAN CRUDE OIL (NY-OQ - CME) vs PLATINUM FUTURES (NY-PL - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
OMAN CRUDE OIL (NY-OQ - CME) vs SILVER FUTURES (CX-SI - CME)						
Spread Credit Rate	New	+1:-1			35%	35%
NGL/PETROCHEMICALS - Inter-commodity Spread Rates						
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	57%	57%	40%	40%

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	Month 1	Increase		30.000%		35.000%
E-MINI NASDAQ-100 FUTURES (7H, DN, ND, ND, NQ, NQ, NQI, NQT, QN, YH) - volScan						
Clearing Member Rate	Month 1	Increase		35.000%		40.000%
E-MINI RUSSELL 2000 INDEX FUTURES (RLT, RTM, RTO, RTY) - volScan						
Clearing Member Rate	Month 1	Increase		30.000%		40.000%