



20-351

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, September 10, 2020

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

Friday, September 11, 2020.

Current rates as of:

Thursday, September 10, 2020.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

AGRICULTURE - Outright Rates

CASH CHEESE FUTURES (CSC)

CSC	Spec	Mnth 1	Increase	USD	1,430	1,300	1,716	1,560
CSC	Hedge/Member	Mnth 1	Increase	USD	1,300	1,300	1,560	1,560

CLASS III MILK FUTURES (DA)

DA	Spec	Month 1	Increase	USD	1,100	1,000	1,320	1,200
DA	Hedge/Member	Month 1	Increase	USD	1,000	1,000	1,200	1,200

LUMBER110 FUTURES (LB)

LB	Spec	Mnths 2+	Increase	USD	4,950	4,500	5,940	5,400
LB	Hedge/Member	Mnths 2+	Increase	USD	4,500	4,500	5,400	5,400
LB	Spec	Mnth 1	Increase	USD	6,325	5,750	7,425	6,750
LB	Hedge/Member	Mnth 1	Increase	USD	5,750	5,750	6,750	6,750

MLK MID FUTURES (JQ)

JQ	Spec	Month 1	Increase	USD	550	500	660	600
JQ	Hedge/Member	Month 1	Increase	USD	500	500	600	600

UAN FOB NOLA SWAP (UFU)

UFU	Spec		Decrease	USD	1,100	1,000	990	900
UFU	Hedge/Member		Decrease	USD	1,000	1,000	900	900

CRUDE OIL - Outright Rates

WTI HOUSTON CRUDE OIL FUTURES (HCL)

HCL	Spec	Mnth1	Decrease	USD	9,900	9,000	7,700	7,000
HCL	Hedge/Member	Mnth1	Decrease	USD	9,000	9,000	7,000	7,000
HCL	Spec	Mnth 2	Decrease	USD	8,250	7,500	6,600	6,000
HCL	Hedge/Member	Mnth 2	Decrease	USD	7,500	7,500	6,000	6,000
HCL	Spec	Mnths 3-4	Decrease	USD	7,700	7,000	6,325	5,750
HCL	Hedge/Member	Mnths 3-4	Decrease	USD	7,000	7,000	5,750	5,750
HCL	Spec	Mnths 5-8	Decrease	USD	7,700	7,000	6,325	5,750
HCL	Hedge/Member	Mnths 5-8	Decrease	USD	7,000	7,000	5,750	5,750
HCL	Spec	Mnths 9+	Decrease	USD	6,820	6,200	5,775	5,250
HCL	Hedge/Member	Mnths 9+	Decrease	USD	6,200	6,200	5,250	5,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

NATURAL GAS - Outright Rates

DUTCH TTF NATURAL GAS FRONT MTH FUT (TTE)

TTE	Spec	Mnth 1	Increase	USD	4,070	3,700	4,950	4,500
TTE	Hedge/Member	Mnth 1	Increase	USD	3,700	3,700	4,500	4,500
TTE	Spec	Mnths 2	Increase	USD	3,850	3,500	4,290	3,900
TTE	Hedge/Member	Mnths 2	Increase	USD	3,500	3,500	3,900	3,900
TTE	Spec	Mnths 3+	Increase	USD	3,190	2,900	3,630	3,300
TTE	Hedge/Member	Mnths 3+	Increase	USD	2,900	2,900	3,300	3,300

LNG JAPAN KOREA MARKER PLATTS FUT (JKM)

JKM	Spec	Month 1	Increase	USD	2,860	2,600	3,300	3,000
JKM	Hedge/Member	Month 1	Increase	USD	2,600	2,600	3,000	3,000
JKM	Spec	Month 2	Increase	USD	2,860	2,600	3,300	3,000
JKM	Hedge/Member	Month 2	Increase	USD	2,600	2,600	3,000	3,000
JKM	Spec	Month 3-5	Increase	USD	2,860	2,600	3,300	3,000
JKM	Hedge/Member	Month 3-5	Increase	USD	2,600	2,600	3,000	3,000
JKM	Spec	Mnths 6+	Increase	USD	2,750	2,500	3,190	2,900
JKM	Hedge/Member	Mnths 6+	Increase	USD	2,500	2,500	2,900	2,900

UK NBP NATURAL GAS FRONT MTH FUT (NBP)

NBP	Spec	Mnth 1	Increase	USD	3,960	3,600	4,620	4,200
NBP	Hedge/Member	Mnth 1	Increase	USD	3,600	3,600	4,200	4,200
NBP	Spec	Mnths 2	Increase	USD	3,630	3,300	4,290	3,900
NBP	Hedge/Member	Mnths 2	Increase	USD	3,300	3,300	3,900	3,900
NBP	Spec	Mnths 3+	Increase	USD	3,520	3,200	3,740	3,400
NBP	Hedge/Member	Mnths 3+	Increase	USD	3,200	3,200	3,400	3,400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PETROLEUM CRACKS AND SPREADS - Outright Rates								
1% FOIL(PLTS) CARGOES FOB NWE CRACK (FVB)								
FVB	Spec	Mnths 3+	Decrease	USD	16,066	14,605	12,573	11,430
FVB	Hedge/Member	Mnths 3+	Decrease	USD	14,605	14,605	11,430	11,430
FUEL OIL NWE CRACK VS. ICE (FI)								
FI	Spec	Mnths 3+	Decrease	USD	2,530	2,300	1,980	1,800
FI	Hedge/Member	Mnths 3+	Decrease	USD	2,300	2,300	1,800	1,800
FUELOIL FUT:CARGOES VS.BARGES (FS)								
FS	Spec	Mnth 2	Decrease	USD	17,600	16,000	15,400	14,000
FS	Hedge/Member	Mnth 2	Decrease	USD	16,000	16,000	14,000	14,000
FS	Spec	Mnths 3-8	Decrease	USD	13,200	12,000	10,175	9,250
FS	Hedge/Member	Mnths 3-8	Decrease	USD	12,000	12,000	9,250	9,250
FS	Spec	Mnths 9-11	Decrease	USD	12,100	11,000	9,350	8,500
FS	Hedge/Member	Mnths 9-11	Decrease	USD	11,000	11,000	8,500	8,500
FS	Spec	Mnths 12+	Decrease	USD	9,900	9,000	7,700	7,000
FS	Hedge/Member	Mnths 12+	Decrease	USD	9,000	9,000	7,000	7,000
MINI 1% FUEL OIL CARGO CRACK (MNS)								
MNS	Spec	Mnths 3+	Decrease	USD	1,607	1,461	1,257	1,143
MNS	Hedge/Member	Mnths 3+	Decrease	USD	1,461	1,461	1,143	1,143
NY1%FO V. GULF COAST HSFO FUT (VR)								
VR	Spec	Mnths 3-12	Decrease	USD	1,650	1,500	1,375	1,250
VR	Hedge/Member	Mnths 3-12	Decrease	USD	1,500	1,500	1,250	1,250
VR	Spec	Months 13+	Decrease	USD	1,430	1,300	1,210	1,100
VR	Hedge/Member	Months 13+	Decrease	USD	1,300	1,300	1,100	1,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

REFINED PRODUCTS - Outright Rates

EIA FLAT TAX ONHWAY DIESEL FUT (A5)

A5	Spec	Mnth 1	Decrease	USD	9,020	8,200	7,920	7,200
A5	Hedge/Member	Mnth 1	Decrease	USD	8,200	8,200	7,200	7,200
A5	Spec	Mnths 2-6	Decrease	USD	5,720	5,200	4,950	4,500
A5	Hedge/Member	Mnths 2-6	Decrease	USD	5,200	5,200	4,500	4,500
A5	Spec	Mnths 7+	Decrease	USD	5,500	5,000	4,730	4,300
A5	Hedge/Member	Mnths 7+	Decrease	USD	5,000	5,000	4,300	4,300

EUR 0.5% VS. EUR 3.5% (R53)

R53	Spec	Month 1	Decrease	USD	27,500	25,000	23,100	21,000
R53	Hedge/Member	Month 1	Decrease	USD	25,000	25,000	21,000	21,000
R53	Spec	Month 2	Decrease	USD	26,950	24,500	22,000	20,000
R53	Hedge/Member	Month 2	Decrease	USD	24,500	24,500	20,000	20,000
R53	Spec	Month 3+	Decrease	USD	24,750	22,500	19,800	18,000
R53	Hedge/Member	Month 3+	Decrease	USD	22,500	22,500	18,000	18,000

EUROPE 3.5% FUEL OIL RDM CALFUT (UV)

UV	Spec	Mths 1	Decrease	USD	30,800	28,000	26,400	24,000
UV	Hedge/Member	Mths 1	Decrease	USD	28,000	28,000	24,000	24,000
UV	Spec	Mnths 2	Decrease	USD	27,500	25,000	23,100	21,000
UV	Hedge/Member	Mnths 2	Decrease	USD	25,000	25,000	21,000	21,000
UV	Spec	Mnths 3-10	Decrease	USD	24,750	22,500	20,900	19,000
UV	Hedge/Member	Mnths 3-10	Decrease	USD	22,500	22,500	19,000	19,000
UV	Spec	Mnths 11+	Decrease	USD	24,750	22,500	19,800	18,000
UV	Hedge/Member	Mnths 11+	Decrease	USD	22,500	22,500	18,000	18,000

EUROPE NAPHTHA CALFUT (UN)

UN	Spec	Mths 1	Decrease	USD	37,950	34,500	33,000	30,000
UN	Hedge/Member	Mths 1	Decrease	USD	34,500	34,500	30,000	30,000
UN	Spec	Mths 2-6	Decrease	USD	37,950	34,500	31,900	29,000
UN	Hedge/Member	Mths 2-6	Decrease	USD	34,500	34,500	29,000	29,000
UN	Spec	Mnths 7+	Decrease	USD	33,550	30,500	27,500	25,000
UN	Hedge/Member	Mnths 7+	Decrease	USD	30,500	30,500	25,000	25,000

EUROPEAN FOB RDM MARINE FUEL 0.5% (R5F)

R5F	Spec	Month 1	Decrease	USD	38,500	35,000	31,900	29,000
R5F	Hedge/Member	Month 1	Decrease	USD	35,000	35,000	29,000	29,000
R5F	Spec	Month 2	Decrease	USD	36,300	33,000	31,900	29,000
R5F	Hedge/Member	Month 2	Decrease	USD	33,000	33,000	29,000	29,000
R5F	Spec	Month 3+	Decrease	USD	33,000	30,000	29,700	27,000
R5F	Hedge/Member	Month 3+	Decrease	USD	30,000	30,000	27,000	27,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EUROPEAN GASOIL ICE FUTURE (7F)								
7F	Spec	Mnth 1	Decrease	USD	3,630	3,300	3,080	2,800
7F	Hedge/Member	Mnth 1	Decrease	USD	3,300	3,300	2,800	2,800
7F	Spec	Mnths 2-6	Decrease	USD	3,465	3,150	2,915	2,650
7F	Hedge/Member	Mnths 2-6	Decrease	USD	3,150	3,150	2,650	2,650
7F	Spec	Mnths 7-11	Decrease	USD	3,135	2,850	2,530	2,300
7F	Hedge/Member	Mnths 7-11	Decrease	USD	2,850	2,850	2,300	2,300
7F	Spec	Mnths 12+	Decrease	USD	2,915	2,650	2,310	2,100
7F	Hedge/Member	Mnths 12+	Decrease	USD	2,650	2,650	2,100	2,100
EUROPEAN GASOIL ICE TAS FUTURE (7FT)								
7FT	Spec	Mnth 1	Decrease	USD	3,630	3,300	3,080	2,800
7FT	Hedge/Member	Mnth 1	Decrease	USD	3,300	3,300	2,800	2,800
7FT	Spec	Mnths 2-6	Decrease	USD	3,465	3,150	2,915	2,650
7FT	Hedge/Member	Mnths 2-6	Decrease	USD	3,150	3,150	2,650	2,650
7FT	Spec	Mnths 7-11	Decrease	USD	3,135	2,850	2,530	2,300
7FT	Hedge/Member	Mnths 7-11	Decrease	USD	2,850	2,850	2,300	2,300
7FT	Spec	Mnths 12+	Decrease	USD	2,915	2,650	2,310	2,100
7FT	Hedge/Member	Mnths 12+	Decrease	USD	2,650	2,650	2,100	2,100
GAS EURO-BOB OXY (ARG) NEW BRG (7H)								
7H	Spec	Mnth 1	Decrease	USD	49,500	45,000	40,700	37,000
7H	Hedge/Member	Mnth 1	Decrease	USD	45,000	45,000	37,000	37,000
7H	Spec	Mnths 2-6	Decrease	USD	47,300	43,000	39,600	36,000
7H	Hedge/Member	Mnths 2-6	Decrease	USD	43,000	43,000	36,000	36,000
7H	Spec	Mnths 7-12	Decrease	USD	40,700	37,000	33,000	30,000
7H	Hedge/Member	Mnths 7-12	Decrease	USD	37,000	37,000	30,000	30,000
7H	Spec	Mnths 13+	Decrease	USD	34,100	31,000	29,700	27,000
7H	Hedge/Member	Mnths 13+	Decrease	USD	31,000	31,000	27,000	27,000
GASOIL BULLET FUT (BG)								
BG	Spec	Mnth 1	Decrease	USD	36,300	33,000	30,800	28,000
BG	Hedge/Member	Mnth 1	Decrease	USD	33,000	33,000	28,000	28,000
BG	Spec	Mnths 2-6	Decrease	USD	34,650	31,500	29,150	26,500
BG	Hedge/Member	Mnths 2-6	Decrease	USD	31,500	31,500	26,500	26,500
BG	Spec	Mnths 7-11	Decrease	USD	31,350	28,500	25,300	23,000
BG	Hedge/Member	Mnths 7-11	Decrease	USD	28,500	28,500	23,000	23,000
BG	Spec	Mnths 12+	Decrease	USD	29,150	26,500	23,100	21,000
BG	Hedge/Member	Mnths 12+	Decrease	USD	26,500	26,500	21,000	21,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GULF COAST HSFO (PLATTS) FUTURES (MF)								
MF	Spec	Mnth 1	Decrease	USD	4,400	4,000	3,850	3,500
MF	Hedge/Member	Mnth 1	Decrease	USD	4,000	4,000	3,500	3,500
MF	Spec	Mnths 2-6	Decrease	USD	4,180	3,800	3,740	3,400
MF	Hedge/Member	Mnths 2-6	Decrease	USD	3,800	3,800	3,400	3,400
MF	Spec	Mnths 7-24	Decrease	USD	3,520	3,200	3,080	2,800
MF	Hedge/Member	Mnths 7-24	Decrease	USD	3,200	3,200	2,800	2,800
MF	Spec	Mnths 25+	Decrease	USD	3,300	3,000	2,750	2,500
MF	Hedge/Member	Mnths 25+	Decrease	USD	3,000	3,000	2,500	2,500
GULF COAST ULSD CALENDAR FUT (LY)								
LY	Spec	Mnth 1	Decrease	USD	4,950	4,500	3,960	3,600
LY	Hedge/Member	Mnth 1	Decrease	USD	4,500	4,500	3,600	3,600
LY	Spec	Mnths 2-6	Decrease	USD	4,950	4,500	3,960	3,600
LY	Hedge/Member	Mnths 2-6	Decrease	USD	4,500	4,500	3,600	3,600
LY	Spec	Mnths 7-12	Decrease	USD	4,180	3,800	3,520	3,200
LY	Hedge/Member	Mnths 7-12	Decrease	USD	3,800	3,800	3,200	3,200
LY	Spec	Mnths 13+	Decrease	USD	3,740	3,400	3,300	3,000
LY	Hedge/Member	Mnths 13+	Decrease	USD	3,400	3,400	3,000	3,000
JAPAN C&F NAPHTHA FUT (JA)								
JA	Spec	Mnth 1	Decrease	USD	37,950	34,500	31,350	28,500
JA	Hedge/Member	Mnth 1	Decrease	USD	34,500	34,500	28,500	28,500
JA	Spec	Mnths 2-6	Decrease	USD	37,950	34,500	31,350	28,500
JA	Hedge/Member	Mnths 2-6	Decrease	USD	34,500	34,500	28,500	28,500
JA	Spec	Mnths 7+	Decrease	USD	35,200	32,000	29,700	27,000
JA	Hedge/Member	Mnths 7+	Decrease	USD	32,000	32,000	27,000	27,000
MICRO EURO MARINE 0.5% FO BARGES (R50)								
R50	Spec	Month 1	Decrease	USD	385	350	319	290
R50	Hedge/Member	Month 1	Decrease	USD	350	350	290	290
R50	Spec	Month 2	Decrease	USD	363	330	319	290
R50	Hedge/Member	Month 2	Decrease	USD	330	330	290	290
R50	Spec	Month 3+	Decrease	USD	330	300	297	270
R50	Hedge/Member	Month 3+	Decrease	USD	300	300	270	270

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MICRO EUROPEAN 3.5% FUEL OIL BARGES (MEF)								
MEF	Spec	Mths 1	Decrease	USD	308	280	264	240
MEF	Hedge/Member	Mths 1	Decrease	USD	280	280	240	240
MEF	Spec	Mnths 2	Decrease	USD	275	250	231	210
MEF	Hedge/Member	Mnths 2	Decrease	USD	250	250	210	210
MEF	Spec	Mnths 3-10	Decrease	USD	248	225	209	190
MEF	Hedge/Member	Mnths 3-10	Decrease	USD	225	225	190	190
MEF	Spec	Mnths 11+	Decrease	USD	248	225	198	180
MEF	Hedge/Member	Mnths 11+	Decrease	USD	225	225	180	180
MICRO SINGAPORE FOB MARINE FUEL 0.5 (S50)								
S50	Spec	Month 1	Decrease	USD	396	360	352	320
S50	Hedge/Member	Month 1	Decrease	USD	360	360	320	320
S50	Spec	Month 2	Decrease	USD	396	360	352	320
S50	Hedge/Member	Month 2	Decrease	USD	360	360	320	320
S50	Spec	Month 3+	Decrease	USD	352	320	319	290
S50	Hedge/Member	Month 3+	Decrease	USD	320	320	290	290
MICRO SINGAPORE FUEL OIL 380CST (PL (MAF))								
MAF	Spec	Mnth 1	Decrease	USD	374	340	297	270
MAF	Hedge/Member	Mnth 1	Decrease	USD	340	340	270	270
MAF	Spec	Mnths 2	Decrease	USD	303	275	242	220
MAF	Hedge/Member	Mnths 2	Decrease	USD	275	275	220	220
MAF	Spec	Mnths 3-13	Decrease	USD	270	245	220	200
MAF	Hedge/Member	Mnths 3-13	Decrease	USD	245	245	200	200
MAF	Spec	Mnths 14+	Decrease	USD	248	225	215	195
MAF	Hedge/Member	Mnths 14+	Decrease	USD	225	225	195	195
MIN EURO NPHTHA CIF NWE FUT (MNC)								
MNC	Spec	Mths 1	Decrease	USD	3,795	3,450	3,300	3,000
MNC	Hedge/Member	Mths 1	Decrease	USD	3,450	3,450	3,000	3,000
MNC	Spec	Mths 2-6	Decrease	USD	3,795	3,450	3,190	2,900
MNC	Hedge/Member	Mths 2-6	Decrease	USD	3,450	3,450	2,900	2,900
MNC	Spec	Mnths 7+	Decrease	USD	3,355	3,050	2,750	2,500
MNC	Hedge/Member	Mnths 7+	Decrease	USD	3,050	3,050	2,500	2,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MIN JAPAN C&F NAPHTHA PLATTS FUT (MJN)								
MJN	Spec	Mnth 1	Decrease	USD	3,795	3,450	3,135	2,850
MJN	Hedge/Member	Mnth 1	Decrease	USD	3,450	3,450	2,850	2,850
MJN	Spec	Mnths 2-6	Decrease	USD	3,795	3,450	3,135	2,850
MJN	Hedge/Member	Mnths 2-6	Decrease	USD	3,450	3,450	2,850	2,850
MJN	Spec	Mnths 7+	Decrease	USD	3,520	3,200	2,970	2,700
MJN	Hedge/Member	Mnths 7+	Decrease	USD	3,200	3,200	2,700	2,700
MINI EURO 3.5% FUEL OIL FOB RDM FUT (0D)								
0D	Spec	Mths 1	Decrease	USD	3,080	2,800	2,640	2,400
0D	Hedge/Member	Mths 1	Decrease	USD	2,800	2,800	2,400	2,400
0D	Spec	Mnths 2	Decrease	USD	2,750	2,500	2,310	2,100
0D	Hedge/Member	Mnths 2	Decrease	USD	2,500	2,500	2,100	2,100
0D	Spec	Mnths 3-10	Decrease	USD	2,475	2,250	2,090	1,900
0D	Hedge/Member	Mnths 3-10	Decrease	USD	2,250	2,250	1,900	1,900
0D	Spec	Mnths 11+	Decrease	USD	2,475	2,250	1,980	1,800
0D	Hedge/Member	Mnths 11+	Decrease	USD	2,250	2,250	1,800	1,800
MINI EUROPEAN FOB RDAM MARINE FUEL (R5M)								
R5M	Spec	Month 1	Decrease	USD	3,850	3,500	3,190	2,900
R5M	Hedge/Member	Month 1	Decrease	USD	3,500	3,500	2,900	2,900
R5M	Spec	Month 2	Decrease	USD	3,630	3,300	3,190	2,900
R5M	Hedge/Member	Month 2	Decrease	USD	3,300	3,300	2,900	2,900
R5M	Spec	Month 3+	Decrease	USD	3,300	3,000	2,970	2,700
R5M	Hedge/Member	Month 3+	Decrease	USD	3,000	3,000	2,700	2,700
MINI GAS EUROBOB OXY BARGES FUT (MEO)								
MEO	Spec	Mnth 1	Decrease	USD	49,500	45,000	40,700	37,000
MEO	Hedge/Member	Mnth 1	Decrease	USD	45,000	45,000	37,000	37,000
MEO	Spec	Mnths 2-6	Decrease	USD	47,300	43,000	39,600	36,000
MEO	Hedge/Member	Mnths 2-6	Decrease	USD	43,000	43,000	36,000	36,000
MEO	Spec	Mnths 7-12	Decrease	USD	40,700	37,000	33,000	30,000
MEO	Hedge/Member	Mnths 7-12	Decrease	USD	37,000	37,000	30,000	30,000
MEO	Spec	Mnths 13+	Decrease	USD	34,100	31,000	29,700	27,000
MEO	Hedge/Member	Mnths 13+	Decrease	USD	31,000	31,000	27,000	27,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MINI SINGAPORE 380CST FUEL OIL FUT (MTS)								
MTS	Spec	Mnth 1	Decrease	USD	3,740	3,400	2,970	2,700
MTS	Hedge/Member	Mnth 1	Decrease	USD	3,400	3,400	2,700	2,700
MTS	Spec	Mnths 2	Decrease	USD	3,025	2,750	2,420	2,200
MTS	Hedge/Member	Mnths 2	Decrease	USD	2,750	2,750	2,200	2,200
MTS	Spec	Mnths 3-13	Decrease	USD	2,695	2,450	2,200	2,000
MTS	Hedge/Member	Mnths 3-13	Decrease	USD	2,450	2,450	2,000	2,000
MTS	Spec	Mnths 14+	Decrease	USD	2,475	2,250	2,145	1,950
MTS	Hedge/Member	Mnths 14+	Decrease	USD	2,250	2,250	1,950	1,950
MINI SINGAPORE FOB MARINE FUEL 0.5% (\$5M)								
S5M	Spec	Month 1	Decrease	USD	3,960	3,600	3,520	3,200
S5M	Hedge/Member	Month 1	Decrease	USD	3,600	3,600	3,200	3,200
S5M	Spec	Month 2	Decrease	USD	3,960	3,600	3,520	3,200
S5M	Hedge/Member	Month 2	Decrease	USD	3,600	3,600	3,200	3,200
S5M	Spec	Month 3+	Decrease	USD	3,520	3,200	3,190	2,900
S5M	Hedge/Member	Month 3+	Decrease	USD	3,200	3,200	2,900	2,900
MINI SINGAPORE GASOIL PLATS FUTURES (MSG)								
MSG	Spec	Mnth 1	Decrease	USD	517	470	407	370
MSG	Hedge/Member	Mnth 1	Decrease	USD	470	470	370	370
MSG	Spec	Mnths 2-6	Decrease	USD	517	470	407	370
MSG	Hedge/Member	Mnths 2-6	Decrease	USD	470	470	370	370
MSG	Spec	Mnths 7+	Decrease	USD	440	400	330	300
MSG	Hedge/Member	Mnths 7+	Decrease	USD	400	400	300	300
MOGAS92 UNLEADED (PLATTS) FUT (1N)								
1N	Spec	Mnth 2	Decrease	USD	5,775	5,250	4,840	4,400
1N	Hedge/Member	Mnth 2	Decrease	USD	5,250	5,250	4,400	4,400
1N	Spec	Mnth 1	Decrease	USD	5,775	5,250	4,620	4,200
1N	Hedge/Member	Mnth 1	Decrease	USD	5,250	5,250	4,200	4,200
1N	Spec	Mnths 3+	Decrease	USD	5,500	5,000	4,400	4,000
1N	Hedge/Member	Mnths 3+	Decrease	USD	5,000	5,000	4,000	4,000
NY HARBOR RESIDUAL FUEL 1.0% S FUT (MM)								
MM	Spec	Mnth 1	Decrease	USD	5,280	4,800	4,400	4,000
MM	Hedge/Member	Mnth 1	Decrease	USD	4,800	4,800	4,000	4,000
MM	Spec	Mnths 2-6	Decrease	USD	5,060	4,600	4,070	3,700
MM	Hedge/Member	Mnths 2-6	Decrease	USD	4,600	4,600	3,700	3,700
MM	Spec	Mnths 7+	Decrease	USD	4,840	4,400	3,850	3,500
MM	Hedge/Member	Mnths 7+	Decrease	USD	4,400	4,400	3,500	3,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SINGAPORE 380CST FUEL OIL FUT (SE)								
SE	Spec	Mnth 1	Decrease	USD	37,400	34,000	29,700	27,000
SE	Hedge/Member	Mnth 1	Decrease	USD	34,000	34,000	27,000	27,000
SE	Spec	Mnths 2	Decrease	USD	30,250	27,500	24,200	22,000
SE	Hedge/Member	Mnths 2	Decrease	USD	27,500	27,500	22,000	22,000
SE	Spec	Mnths 3-13	Decrease	USD	26,950	24,500	22,000	20,000
SE	Hedge/Member	Mnths 3-13	Decrease	USD	24,500	24,500	20,000	20,000
SE	Spec	Mnths 14+	Decrease	USD	24,750	22,500	21,450	19,500
SE	Hedge/Member	Mnths 14+	Decrease	USD	22,500	22,500	19,500	19,500
SINGAPORE FOB MARINE 0.5% (PLATTS) (S53)								
S53	Spec	Month 1	Decrease	USD	36,300	33,000	28,600	26,000
S53	Hedge/Member	Month 1	Decrease	USD	33,000	33,000	26,000	26,000
SINGAPORE FOB MARINE FUEL 0.5% (PLA (S5F)								
S5F	Spec	Month 1	Decrease	USD	39,600	36,000	35,200	32,000
S5F	Hedge/Member	Month 1	Decrease	USD	36,000	36,000	32,000	32,000
S5F	Spec	Month 2	Decrease	USD	39,600	36,000	35,200	32,000
S5F	Hedge/Member	Month 2	Decrease	USD	36,000	36,000	32,000	32,000
S5F	Spec	Month 3+	Decrease	USD	35,200	32,000	31,900	29,000
S5F	Hedge/Member	Month 3+	Decrease	USD	32,000	32,000	29,000	29,000
SINGAPORE GASOIL FUT (SG)								
SG	Spec	Mnth 1	Decrease	USD	5,170	4,700	4,070	3,700
SG	Hedge/Member	Mnth 1	Decrease	USD	4,700	4,700	3,700	3,700
SG	Spec	Mnths 2-6	Decrease	USD	5,170	4,700	4,070	3,700
SG	Hedge/Member	Mnths 2-6	Decrease	USD	4,700	4,700	3,700	3,700
SG	Spec	Mnths 7+	Decrease	USD	4,400	4,000	3,300	3,000
SG	Hedge/Member	Mnths 7+	Decrease	USD	4,000	4,000	3,000	3,000
SYNTHET GULF COAST NO.6 FUEL OIL 3 (SMF)								
SMF	Spec	Mnth 1	Decrease	USD	4,400	4,000	3,850	3,500
SMF	Hedge/Member	Mnth 1	Decrease	USD	4,000	4,000	3,500	3,500
SMF	Spec	Mnths 2-6	Decrease	USD	4,180	3,800	3,740	3,400
SMF	Hedge/Member	Mnths 2-6	Decrease	USD	3,800	3,800	3,400	3,400
SMF	Spec	Mnths 7-24	Decrease	USD	3,520	3,200	3,080	2,800
SMF	Hedge/Member	Mnths 7-24	Decrease	USD	3,200	3,200	2,800	2,800
SMF	Spec	Months 25+	Decrease	USD	3,300	3,000	2,750	2,500
SMF	Hedge/Member	Months 25+	Decrease	USD	3,000	3,000	2,500	2,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

SYNTHETIC GASOIL BULLET FUT (SBG)

SBG	Spec	Mnth 1	Decrease	USD	36,300	33,000	30,800	28,000
SBG	Hedge/Member	Mnth 1	Decrease	USD	33,000	33,000	28,000	28,000
SBG	Spec	Mnths 2-6	Decrease	USD	34,650	31,500	29,150	26,500
SBG	Hedge/Member	Mnths 2-6	Decrease	USD	31,500	31,500	26,500	26,500
SBG	Spec	Mnths 7-11	Decrease	USD	31,350	28,500	25,300	23,000
SBG	Hedge/Member	Mnths 7-11	Decrease	USD	28,500	28,500	23,000	23,000
SBG	Spec	Mnths 12+	Decrease	USD	29,150	26,500	23,100	21,000
SBG	Hedge/Member	Mnths 12+	Decrease	USD	26,500	26,500	21,000	21,000

SYNTHETIC SINGAPORE GASOIL FUT (SSG)

SSG	Spec	Mnth 1	Decrease	USD	5,170	4,700	4,070	3,700
SSG	Hedge/Member	Mnth 1	Decrease	USD	4,700	4,700	3,700	3,700
SSG	Spec	Mnths 2-6	Decrease	USD	5,170	4,700	4,070	3,700
SSG	Hedge/Member	Mnths 2-6	Decrease	USD	4,700	4,700	3,700	3,700
SSG	Spec	Mnths 7+	Decrease	USD	4,400	4,000	3,300	3,000
SSG	Hedge/Member	Mnths 7+	Decrease	USD	4,000	4,000	3,000	3,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
AGRICULTURE - Intra Spreads								
Lumber (LB) - Mtnh 1 vs Mnths 2+ (LUMBER110 FUTURES)								
LB	Spec		Increase	USD	4,400	4,000	6,160	5,600
LB	Hedge/Member		Increase	USD	4,000	4,000	5,600	5,600
Lumber- Mnths 2+ vs Mnths 2+ (LUMBER110 FUTURES)								
LB	Spec		Increase	USD	3,300	3,000	4,620	4,200
LB	Hedge/Member		Increase	USD	3,000	3,000	4,200	4,200
CRUDE OIL - Intra Spreads								
Dubai Crude Butterfly - Distance 1 (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Decrease	USD	484	440	330	300
DC	Hedge/Member		Decrease	USD	440	440	300	300
Dubai Crude Butterfly - Distance 1 (MINI DUBAI CRUDE OIL (PLATTS) FUT)								
DBL	Spec		Decrease	USD	48	44	33	30
DBL	Hedge/Member		Decrease	USD	44	44	30	30
Dubai Crude Butterfly - Distance 2 (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Decrease	USD	902	820	682	620
DC	Hedge/Member		Decrease	USD	820	820	620	620
Dubai Crude Butterfly - Distance 2 (MINI DUBAI CRUDE OIL (PLATTS) FUT)								
DBL	Spec		Decrease	USD	90	82	68	62
DBL	Hedge/Member		Decrease	USD	82	82	62	62

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
ELECTRICITY - Intra Spreads								
German Power Baseload Calendar month futures - Months 1 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Spec		Increase	EUR	2,200	2,000	2,420	2,200
DEB	Hedge/Member		Increase	EUR	2,000	2,000	2,200	2,200
German Power Baseload Calendar month futures - Months 10+ vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Spec		Increase	EUR	1,540	1,400	1,870	1,700
DEB	Hedge/Member		Increase	EUR	1,400	1,400	1,700	1,700
German Power Baseload Calendar month futures - Months 2 vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Spec		Increase	EUR	1,705	1,550	1,980	1,800
DEB	Hedge/Member		Increase	EUR	1,550	1,550	1,800	1,800
German Power Baseload Calendar month futures - Months 2 vs 3 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Spec		Increase	EUR	1,705	1,550	1,980	1,800
DEB	Hedge/Member		Increase	EUR	1,550	1,550	1,800	1,800
German Power Baseload Calendar month futures - Months 2 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Spec		Increase	EUR	1,705	1,550	1,980	1,800
DEB	Hedge/Member		Increase	EUR	1,550	1,550	1,800	1,800
German Power Baseload Calendar month futures - Months 3 vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Spec		Increase	EUR	1,540	1,400	1,870	1,700
DEB	Hedge/Member		Increase	EUR	1,400	1,400	1,700	1,700
German Power Baseload Calendar month futures - Months 3 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Spec		Increase	EUR	1,540	1,400	1,870	1,700
DEB	Hedge/Member		Increase	EUR	1,400	1,400	1,700	1,700
German Power Baseload Calendar month futures - Months 4-9 vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Spec		Increase	EUR	1,540	1,400	1,870	1,700
DEB	Hedge/Member		Increase	EUR	1,400	1,400	1,700	1,700
German Power Baseload Calendar month futures - Months 4-9 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Spec		Increase	EUR	1,540	1,400	1,870	1,700
DEB	Hedge/Member		Increase	EUR	1,400	1,400	1,700	1,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
EQUITY INDEX - Intra Spreads								
(BTIC SP 500 HEALTH CARE SECTOR TIC) – All Months								
XVT	Spec		Increase	USD	990	900	1,320	1,200
XVT	Hedge/Member		Increase	USD	900	900	1,200	1,200
(EMINI SP500- HEALTH CARE SECT INDEX) – All Months								
XAV	Spec		Increase	USD	990	900	1,320	1,200
XAV	Hedge/Member		Increase	USD	900	900	1,200	1,200
(SP 500 HEALTH CARE SECTOR SYNTHETIC) – All Months								
1VT	Spec		Increase	USD	990	900	1,320	1,200
1VT	Hedge/Member		Increase	USD	900	900	1,200	1,200
CBOT Dow Jones Real Estate Index (JR) - All Months (DJ US REAL ESTATE BTIC)								
REX	Spec		Increase	USD	616	560	908	825
REX	Hedge/Member		Increase	USD	560	560	825	825
CBOT Dow Jones Real Estate Index (JR) - All Months (DJ US REAL ESTATE INDEX)								
JR	Spec		Increase	USD	616	560	908	825
JR	Hedge/Member		Increase	USD	560	560	825	825
CBOT Dow Jones Real Estate Index (JR) - All Months (DJ US REAL ESTATE SYNTHETIC)								
DJR	Spec		Increase	USD	616	560	908	825
DJR	Hedge/Member		Increase	USD	560	560	825	825
Dow Jones (CBOT) (11) - Month 1 vs 2 (BTIC ON E-MINI DJIA FUTURES)								
YMT	Spec		Increase	USD	1,155	1,050	1,650	1,500
YMT	Hedge/Member		Increase	USD	1,050	1,050	1,500	1,500
Dow Jones (CBOT) (11) - Month 1 vs 2 (E-MINI DJIA FUTURES MARKER)								
YMI	Spec		Increase	USD	1,155	1,050	1,650	1,500
YMI	Hedge/Member		Increase	USD	1,050	1,050	1,500	1,500
Dow Jones (CBOT) (11) - Month 1 vs 2 (E-MINI DOW (\$5) FUTURES)								
YM	Spec		Increase	USD	1,155	1,050	1,650	1,500
YM	Hedge/Member		Increase	USD	1,050	1,050	1,500	1,500
Dow Jones (CBOT) (11) - Month 1 vs 2 (MICRO E-MINI DOW JONES AVE FUTURE)								
MYM	Spec		Increase	USD	116	105	165	150
MYM	Hedge/Member		Increase	USD	105	105	150	150
Dow Jones (CBOT) (11) - Month 1 vs 3 (BTIC ON E-MINI DJIA FUTURES)								
YMT	Spec		Increase	USD	1,485	1,350	2,200	2,000
YMT	Hedge/Member		Increase	USD	1,350	1,350	2,000	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Dow Jones (CBOT) (11) - Month 1 vs 3 (E-MINI DJIA FUTURES MARKER)								
YMI	Spec		Increase	USD	1,485	1,350	2,200	2,000
YMI	Hedge/Member		Increase	USD	1,350	1,350	2,000	2,000
Dow Jones (CBOT) (11) - Month 1 vs 3 (E-MINI DOW (\$5) FUTURES)								
YM	Spec		Increase	USD	1,485	1,350	2,200	2,000
YM	Hedge/Member		Increase	USD	1,350	1,350	2,000	2,000
Dow Jones (CBOT) (11) - Month 1 vs 3 (MICRO E-MINI DOW JONES AVE FUTURE)								
MYM	Spec		Increase	USD	149	135	220	200
MYM	Hedge/Member		Increase	USD	135	135	200	200
Dow Jones (CBOT) (11) - Month 1 vs 4 (BTIC ON E-MINI DJIA FUTURES)								
YMT	Spec		Increase	USD	1,650	1,500	2,475	2,250
YMT	Hedge/Member		Increase	USD	1,500	1,500	2,250	2,250
Dow Jones (CBOT) (11) - Month 1 vs 4 (E-MINI DJIA FUTURES MARKER)								
YMI	Spec		Increase	USD	1,650	1,500	2,475	2,250
YMI	Hedge/Member		Increase	USD	1,500	1,500	2,250	2,250
Dow Jones (CBOT) (11) - Month 1 vs 4 (E-MINI DOW (\$5) FUTURES)								
YM	Spec		Increase	USD	1,650	1,500	2,475	2,250
YM	Hedge/Member		Increase	USD	1,500	1,500	2,250	2,250
Dow Jones (CBOT) (11) - Month 1 vs 4 (MICRO E-MINI DOW JONES AVE FUTURE)								
MYM	Spec		Increase	USD	165	150	248	225
MYM	Hedge/Member		Increase	USD	150	150	225	225
E-Mini Nasdaq Biotechnology Index Futures (BQ) - All Months (BTIC E-MINI NASDAQ BIOTECHNOLOGY)								
BIT	Spec		Increase	USD	3,053	2,775	3,850	3,500
BIT	Hedge/Member		Increase	USD	2,775	2,775	3,500	3,500
E-Mini Nasdaq Biotechnology Index Futures (BQ) - All Months (E-MINI NASDAQ BIOTECH SYNT MARKER)								
BTT	Spec		Increase	USD	3,053	2,775	3,850	3,500
BTT	Hedge/Member		Increase	USD	2,775	2,775	3,500	3,500
E-Mini Nasdaq Biotechnology Index Futures (BQ) - All Months (E-MINI NASDAQ BIOTECHNOLOGY FUTURES)								
BQ	Spec		Increase	USD	3,053	2,775	3,850	3,500
BQ	Hedge/Member		Increase	USD	2,775	2,775	3,500	3,500
E-MINI RUSSELL 1000 GROWTH INDEX FUTURES - All Months (BTIC EMINI RUSSELL 1000 GROWTH FUT)								
RGT	Spec		Increase	USD	946	860	1,375	1,250
RGT	Hedge/Member		Increase	USD	860	860	1,250	1,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
E-MINI RUSSELL 1000 GROWTH INDEX FUTURES - All Months (EMINI RUSSELL 1000 GROWTH FUT)								
RSG	Spec		Increase	USD	946	860	1,375	1,250
RSG	Hedge/Member		Increase	USD	860	860	1,250	1,250
E-MINI RUSSELL 1000 INDEX FUTURES - All Months (BTIC EMINI RUSSELL1000 INDEX FUT)								
R1T	Spec		Increase	USD	743	675	1,100	1,000
R1T	Hedge/Member		Increase	USD	675	675	1,000	1,000
E-MINI RUSSELL 1000 INDEX FUTURES - All Months (EMINI RUSSELL 1000 INDEX FUTURES)								
RS1	Spec		Increase	USD	743	675	1,100	1,000
RS1	Hedge/Member		Increase	USD	675	675	1,000	1,000
E-MINI RUSSELL 1000 VALUE INDEX FUTURES - All Months (BTIC ON EMINI RUSSELL 1000 VALUE)								
RVT	Spec		Increase	USD	495	450	743	675
RVT	Hedge/Member		Increase	USD	450	450	675	675
E-MINI RUSSELL 1000 VALUE INDEX FUTURES - All Months (EMINI RUSSELL 1000 VALUE)								
RSV	Spec		Increase	USD	495	450	743	675
RSV	Hedge/Member		Increase	USD	450	450	675	675
E-MINI RUSSELL 2000 (RTY) - Month 1 vs 2 (BTIC ON EMINI RUSSELL 2000 INDEX FU)								
RLT	Spec		Increase	USD	578	525	853	775
RLT	Hedge/Member		Increase	USD	525	525	775	775
E-MINI RUSSELL 2000 (RTY) - Month 1 vs 2 (E-MINI RUSSELL 2000 FUTURES TACO MA)								
TQ1	Spec		Increase	USD	578	525	853	775
TQ1	Hedge/Member		Increase	USD	525	525	775	775
E-MINI RUSSELL 2000 (RTY) - Month 1 vs 2 (EMINI RUSSELL 2000 INDEX FUTURES)								
RTY	Spec		Increase	USD	578	525	853	775
RTY	Hedge/Member		Increase	USD	525	525	775	775
E-MINI RUSSELL 2000 (RTY) - Month 1 vs 2 (MICRO E-MINI RUSSELL 2000 INDEX FUT)								
M2K	Spec		Increase	USD	58	53	85	78
M2K	Hedge/Member		Increase	USD	53	53	78	78
E-MINI RUSSELL 2000 (RTY) - Month 1 vs 2 (TACO ON E-MINI RUSSEL 2000 FUTURES)								
RTQ	Spec		Increase	USD	578	525	853	775
RTQ	Hedge/Member		Increase	USD	525	525	775	775
E-MINI RUSSELL 2000 (RTY) - Month 1 vs 3+ (BTIC ON EMINI RUSSELL 2000 INDEX FU)								
RLT	Spec		Increase	USD	1,320	1,200	1,980	1,800
RLT	Hedge/Member		Increase	USD	1,200	1,200	1,800	1,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
E-MINI RUSSELL 2000 (RTY) - Month 1 vs 3+ (E-MINI RUSSELL 2000 FUTURES TACO MA)								
TQ1	Spec		Increase	USD	1,320	1,200	1,980	1,800
TQ1	Hedge/Member		Increase	USD	1,200	1,200	1,800	1,800
E-MINI RUSSELL 2000 (RTY) - Month 1 vs 3+ (EMINI RUSSELL 2000 INDEX FUTURES)								
RTY	Spec		Increase	USD	1,320	1,200	1,980	1,800
RTY	Hedge/Member		Increase	USD	1,200	1,200	1,800	1,800
E-MINI RUSSELL 2000 (RTY) - Month 1 vs 3+ (MICRO E-MINI RUSSELL 2000 INDEX FUT)								
M2K	Spec		Increase	USD	132	120	198	180
M2K	Hedge/Member		Increase	USD	120	120	180	180
E-MINI RUSSELL 2000 (RTY) - Month 1 vs 3+ (TACO ON E-MINI RUSSEL 2000 FUTURES)								
RTQ	Spec		Increase	USD	1,320	1,200	1,980	1,800
RTQ	Hedge/Member		Increase	USD	1,200	1,200	1,800	1,800
E-Mini S&P Midcap 400 (MD) - Months 1 vs 2 (BTIC E-MINI S&P MIDCAP 400 FUT)								
EMT	Spec		Increase	USD	1,485	1,350	1,650	1,500
EMT	Hedge/Member		Increase	USD	1,350	1,350	1,500	1,500
E-Mini S&P Midcap 400 (MD) - Months 1 vs 2 (EMINI MIDCAP FUTURES)								
ME	Spec		Increase	USD	1,485	1,350	1,650	1,500
ME	Hedge/Member		Increase	USD	1,350	1,350	1,500	1,500
E-Mini S&P Midcap 400 (MD) - Months 1 vs 2 (E-MINI S&P MIDCAP 400 SYNT MARKER)								
ETT	Spec		Increase	USD	1,485	1,350	1,650	1,500
ETT	Hedge/Member		Increase	USD	1,350	1,350	1,500	1,500
E-Mini S&P Midcap 400 (MD) - Months 1 vs 3+ (BTIC E-MINI S&P MIDCAP 400 FUT)								
EMT	Spec		Increase	USD	1,485	1,350	1,650	1,500
EMT	Hedge/Member		Increase	USD	1,350	1,350	1,500	1,500
E-Mini S&P Midcap 400 (MD) - Months 1 vs 3+ (EMINI MIDCAP FUTURES)								
ME	Spec		Increase	USD	1,485	1,350	1,650	1,500
ME	Hedge/Member		Increase	USD	1,350	1,350	1,500	1,500
E-Mini S&P Midcap 400 (MD) - Months 1 vs 3+ (E-MINI S&P MIDCAP 400 SYNT MARKER)								
ETT	Spec		Increase	USD	1,485	1,350	1,650	1,500
ETT	Hedge/Member		Increase	USD	1,350	1,350	1,500	1,500
Nasdaq-100 Index (ND) - Month 1 vs 2 (BTIC ON E-MINI NASDAQ-100 FUTURES)								
NQT	Spec		Increase	USD	413	375	605	550
NQT	Hedge/Member		Increase	USD	375	375	550	550

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Nasdaq-100 Index (ND) - Month 1 vs 2 (E-MINI NASDAQ 100 FUTURES)								
NQ	Spec		Increase	USD	413	375	605	550
NQ	Hedge/Member		Increase	USD	375	375	550	550
Nasdaq-100 Index (ND) - Month 1 vs 2 (E-MINI NASDAQ-100 FUT TACO MARKER)								
QQ1	Spec		Increase	USD	413	375	605	550
QQ1	Hedge/Member		Increase	USD	375	375	550	550
Nasdaq-100 Index (ND) - Month 1 vs 2 (E-MINI NASDAQ-100 FUTURES MARKER)								
NQI	Spec		Increase	USD	413	375	605	550
NQI	Hedge/Member		Increase	USD	375	375	550	550
Nasdaq-100 Index (ND) - Month 1 vs 2 (MICRO E-MINI NASDAQ 100 FUTURE)								
MNQ	Spec		Increase	USD	41	38	61	55
MNQ	Hedge/Member		Increase	USD	38	38	55	55
Nasdaq-100 Index (ND) - Month 1 vs 2 (TACO ON E-MINI NASDAQ-100 FUTURES)								
NQQ	Spec		Increase	USD	413	375	605	550
NQQ	Hedge/Member		Increase	USD	375	375	550	550
Nasdaq-100 Index (ND) - Month 1 vs 3 (BTIC ON E-MINI NASDAQ-100 FUTURES)								
NQT	Spec		Increase	USD	1,980	1,800	2,915	2,650
NQT	Hedge/Member		Increase	USD	1,800	1,800	2,650	2,650
Nasdaq-100 Index (ND) - Month 1 vs 3 (E-MINI NASDAQ 100 FUTURES)								
NQ	Spec		Increase	USD	1,980	1,800	2,915	2,650
NQ	Hedge/Member		Increase	USD	1,800	1,800	2,650	2,650
Nasdaq-100 Index (ND) - Month 1 vs 3 (E-MINI NASDAQ-100 FUT TACO MARKER)								
QQ1	Spec		Increase	USD	1,980	1,800	2,915	2,650
QQ1	Hedge/Member		Increase	USD	1,800	1,800	2,650	2,650
Nasdaq-100 Index (ND) - Month 1 vs 3 (E-MINI NASDAQ-100 FUTURES MARKER)								
NQI	Spec		Increase	USD	1,980	1,800	2,915	2,650
NQI	Hedge/Member		Increase	USD	1,800	1,800	2,650	2,650
Nasdaq-100 Index (ND) - Month 1 vs 3 (MICRO E-MINI NASDAQ 100 FUTURE)								
MNQ	Spec		Increase	USD	198	180	292	265
MNQ	Hedge/Member		Increase	USD	180	180	265	265
Nasdaq-100 Index (ND) - Month 1 vs 3 (TACO ON E-MINI NASDAQ-100 FUTURES)								
NQQ	Spec		Increase	USD	1,980	1,800	2,915	2,650
NQQ	Hedge/Member		Increase	USD	1,800	1,800	2,650	2,650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Nasdaq-100 Index (ND) - Months 1 vs 4 (BTIC ON E-MINI NASDAQ-100 FUTURES)								
NQT	Spec		Increase	USD	1,485	1,350	2,200	2,000
NQT	Hedge/Member		Increase	USD	1,350	1,350	2,000	2,000
Nasdaq-100 Index (ND) - Months 1 vs 4 (E-MINI NASDAQ 100 FUTURES)								
NQ	Spec		Increase	USD	1,485	1,350	2,200	2,000
NQ	Hedge/Member		Increase	USD	1,350	1,350	2,000	2,000
Nasdaq-100 Index (ND) - Months 1 vs 4 (E-MINI NASDAQ-100 FUT TACO MARKER)								
QQ1	Spec		Increase	USD	1,485	1,350	2,200	2,000
QQ1	Hedge/Member		Increase	USD	1,350	1,350	2,000	2,000
Nasdaq-100 Index (ND) - Months 1 vs 4 (E-MINI NASDAQ-100 FUTURES MARKER)								
NQI	Spec		Increase	USD	1,485	1,350	2,200	2,000
NQI	Hedge/Member		Increase	USD	1,350	1,350	2,000	2,000
Nasdaq-100 Index (ND) - Months 1 vs 4 (MICRO E-MINI NASDAQ 100 FUTURE)								
MNQ	Spec		Increase	USD	149	135	220	200
MNQ	Hedge/Member		Increase	USD	135	135	200	200
Nasdaq-100 Index (ND) - Months 1 vs 4 (TACO ON E-MINI NASDAQ-100 FUTURES)								
NQQ	Spec		Increase	USD	1,485	1,350	2,200	2,000
NQQ	Hedge/Member		Increase	USD	1,350	1,350	2,000	2,000
S&P 500 Stock Index - Month 1 vs 2 (BTIC ON E-MINI S&P 500 FUTURES)								
EST	Spec		Increase	USD	825	750	1,210	1,100
EST	Hedge/Member		Increase	USD	750	750	1,100	1,100
S&P 500 Stock Index - Month 1 vs 2 (E-MINI S&P 500 FUTURES MARKER)								
ESI	Spec		Increase	USD	825	750	1,210	1,100
ESI	Hedge/Member		Increase	USD	750	750	1,100	1,100
S&P 500 Stock Index - Month 1 vs 2 (E-MINI S&P 500 FUTURES)								
ES	Spec		Increase	USD	825	750	1,210	1,100
ES	Hedge/Member		Increase	USD	750	750	1,100	1,100
S&P 500 Stock Index - Month 1 vs 2 (MICRO E-MINI S&P 500 FUTURES)								
MES	Spec		Increase	USD	83	75	121	110
MES	Hedge/Member		Increase	USD	75	75	110	110
S&P 500 Stock Index - Month 1 vs 2 (S&P 500 FUTURES)								
SP	Spec		Increase	USD	4,125	3,750	6,050	5,500
SP	Hedge/Member		Increase	USD	3,750	3,750	5,500	5,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
S&P 500 Stock Index - Month 1 vs 2 (TACO ON E-MINI S&P 500 FUTURES)								
ESQ	Spec		Increase	USD	825	750	1,210	1,100
ESQ	Hedge/Member		Increase	USD	750	750	1,100	1,100
S&P 500 Stock Index - Month 1 vs 3 (BTIC ON E-MINI S&P 500 FUTURES)								
EST	Spec		Increase	USD	990	900	1,430	1,300
EST	Hedge/Member		Increase	USD	900	900	1,300	1,300
S&P 500 Stock Index - Month 1 vs 3 (E-MINI S&P 500 FUTURES MARKER)								
ESI	Spec		Increase	USD	990	900	1,430	1,300
ESI	Hedge/Member		Increase	USD	900	900	1,300	1,300
S&P 500 Stock Index - Month 1 vs 3 (E-MINI S&P 500 FUTURES)								
ES	Spec		Increase	USD	990	900	1,430	1,300
ES	Hedge/Member		Increase	USD	900	900	1,300	1,300
S&P 500 Stock Index - Month 1 vs 3 (MICRO E-MINI S&P 500 FUTURES)								
MES	Spec		Increase	USD	99	90	143	130
MES	Hedge/Member		Increase	USD	90	90	130	130
S&P 500 Stock Index - Month 1 vs 3 (S&P 500 FUTURES)								
SP	Spec		Increase	USD	4,950	4,500	7,150	6,500
SP	Hedge/Member		Increase	USD	4,500	4,500	6,500	6,500
S&P 500 Stock Index - Month 1 vs 3 (TACO ON E-MINI S&P 500 FUTURES)								
ESQ	Spec		Increase	USD	990	900	1,430	1,300
ESQ	Hedge/Member		Increase	USD	900	900	1,300	1,300
S&P 500 Stock Index - Month 1 vs 4 (BTIC ON E-MINI S&P 500 FUTURES)								
EST	Spec		Increase	USD	1,320	1,200	1,870	1,700
EST	Hedge/Member		Increase	USD	1,200	1,200	1,700	1,700
S&P 500 Stock Index - Month 1 vs 4 (E-MINI S&P 500 FUTURES MARKER)								
ESI	Spec		Increase	USD	1,320	1,200	1,870	1,700
ESI	Hedge/Member		Increase	USD	1,200	1,200	1,700	1,700
S&P 500 Stock Index - Month 1 vs 4 (E-MINI S&P 500 FUTURES)								
ES	Spec		Increase	USD	1,320	1,200	1,870	1,700
ES	Hedge/Member		Increase	USD	1,200	1,200	1,700	1,700
S&P 500 Stock Index - Month 1 vs 4 (MICRO E-MINI S&P 500 FUTURES)								
MES	Spec		Increase	USD	132	120	187	170
MES	Hedge/Member		Increase	USD	120	120	170	170

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
S&P 500 Stock Index - Month 1 vs 4 (S&P 500 FUTURES)								
SP	Spec		Increase	USD	6,600	6,000	9,350	8,500
SP	Hedge/Member		Increase	USD	6,000	6,000	8,500	8,500
S&P 500 Stock Index - Month 1 vs 4 (TACO ON E-MINI S&P 500 FUTURES)								
ESQ	Spec		Increase	USD	1,320	1,200	1,870	1,700
ESQ	Hedge/Member		Increase	USD	1,200	1,200	1,700	1,700
S&P Select Sector - Communication Services Intra - all months (BTIC ON E-MINI COM SERVICES SECTOR)								
XZT	Spec		Increase	USD	1,155	1,050	1,430	1,300
XZT	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
S&P Select Sector - Communication Services Intra - all months (E-MINI COM SELECT SECTOR MARKER)								
XZI	Spec		Increase	USD	1,155	1,050	1,430	1,300
XZI	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
S&P Select Sector - Communication Services Intra - all months (E-MINI COM SERVICES SELECT SECTOR)								
XAZ	Spec		Increase	USD	1,155	1,050	1,430	1,300
XAZ	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
S&P SELECT SECTOR - CONSUMER DISCRETIONARY- All Months (BTIC E-MINI SP500 CONS DISCRET TAI)								
XYT	Spec		Increase	USD	1,073	975	1,375	1,250
XYT	Hedge/Member		Increase	USD	975	975	1,250	1,250
S&P SELECT SECTOR - CONSUMER DISCRETIONARY- All Months (E-MINI SP500 CONS DISCRET SECTOR IX)								
XAY	Spec		Increase	USD	1,073	975	1,375	1,250
XAY	Hedge/Member		Increase	USD	975	975	1,250	1,250
S&P SELECT SECTOR - CONSUMER DISCRETIONARY- All Months (E-MINI SP500 CONS DISCRET SYNTHETIC)								
1YT	Spec		Increase	USD	1,073	975	1,375	1,250
1YT	Hedge/Member		Increase	USD	975	975	1,250	1,250
S&P SELECT SECTOR - CONSUMER STAPLES- All Months (BTIC CONSUMER STAPLES SECTOR TIC)								
XPT	Spec		Increase	USD	413	375	605	550
XPT	Hedge/Member		Increase	USD	375	375	550	550
S&P SELECT SECTOR - CONSUMER STAPLES- All Months (EMINI SP 500 CONS STAPLES SECTOR IX)								
XAP	Spec		Increase	USD	413	375	605	550
XAP	Hedge/Member		Increase	USD	375	375	550	550
S&P SELECT SECTOR - CONSUMER STAPLES- All Months (SP 500 - CONS STAPLES SYNTHETIC)								
1PT	Spec		Increase	USD	413	375	605	550
1PT	Hedge/Member		Increase	USD	375	375	550	550

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
S&P SELECT SECTOR - ENERGY - All Months (BTIC SP 500 ENERGY SELECT SECTOR)								
XET	Spec		Increase	USD	875	795	1,265	1,150
XET	Hedge/Member		Increase	USD	795	795	1,150	1,150
S&P SELECT SECTOR - ENERGY - All Months (EMINI SP 500 ENERGY SECTOR INDEX)								
XAE	Spec		Increase	USD	875	795	1,265	1,150
XAE	Hedge/Member		Increase	USD	795	795	1,150	1,150
S&P SELECT SECTOR - ENERGY - All Months (SP 500 ENERGY SLCT SEC SYNTHETIC)								
1ET	Spec		Increase	USD	875	795	1,265	1,150
1ET	Hedge/Member		Increase	USD	795	795	1,150	1,150
S&P SELECT SECTOR - FINANCIAL - All Months (BTIC SP 500 FINANCIAL SECTOR TIC)								
XFT	Spec		Increase	USD	1,023	930	1,375	1,250
XFT	Hedge/Member		Increase	USD	930	930	1,250	1,250
S&P SELECT SECTOR - FINANCIAL - All Months (EMINI SP500 - FINANCIAL SECT INDEX)								
XAF	Spec		Increase	USD	1,023	930	1,375	1,250
XAF	Hedge/Member		Increase	USD	930	930	1,250	1,250
S&P SELECT SECTOR - FINANCIAL - All Months (SP 500 FINANCIAL SLCT SEC SYNT)								
1FT	Spec		Increase	USD	1,023	930	1,375	1,250
1FT	Hedge/Member		Increase	USD	930	930	1,250	1,250
S&P SELECT SECTOR - INDUSTRIAL- All Months (BTIC SP 500 INDUSTTRIAL SECTOR TIC)								
XIT	Spec		Increase	USD	781	710	1,100	1,000
XIT	Hedge/Member		Increase	USD	710	710	1,000	1,000
S&P SELECT SECTOR - INDUSTRIAL- All Months (EMINI SP500-INDUSTRIAL SECTOR INDEX)								
XAI	Spec		Increase	USD	781	710	1,100	1,000
XAI	Hedge/Member		Increase	USD	710	710	1,000	1,000
S&P SELECT SECTOR - INDUSTRIAL- All Months (SP 500 - INDUSTRIAL SEL SECTOR SYNT)								
1IT	Spec		Increase	USD	781	710	1,100	1,000
1IT	Hedge/Member		Increase	USD	710	710	1,000	1,000
S&P SELECT SECTOR - REAL ESTATE- All Months (BTIC REAL ESTATE SELECT INDEX FUT)								
XRT	Spec		Increase	USD	616	560	880	800
XRT	Hedge/Member		Increase	USD	560	560	800	800
S&P SELECT SECTOR - REAL ESTATE- All Months (E-MINI REAL ESTATE INDEX MARKER)								
XRI	Spec		Increase	USD	616	560	880	800
XRI	Hedge/Member		Increase	USD	560	560	800	800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
S&P SELECT SECTOR - REAL ESTATE- All Months (REAL ESTATE SELECT SECTOR FUTURES)								
XAR	Spec		Increase	USD	616	560	880	800
XAR	Hedge/Member		Increase	USD	560	560	800	800
S&P SELECT SECTOR - TECHNOLOGY - All Months (BTIC SP 500 TECHNOLOGY SECTOR TIC)								
XKT	Spec		Increase	USD	1,188	1,080	1,320	1,200
XKT	Hedge/Member		Increase	USD	1,080	1,080	1,200	1,200
S&P SELECT SECTOR - TECHNOLOGY - All Months (EMINI SP500-TECHNOLOGY SECTOR INDEX)								
XAK	Spec		Increase	USD	1,188	1,080	1,320	1,200
XAK	Hedge/Member		Increase	USD	1,080	1,080	1,200	1,200
S&P SELECT SECTOR - TECHNOLOGY - All Months (SP 500 TECHNOLOGY SECTOR SYNTH)								
1KT	Spec		Increase	USD	1,188	1,080	1,320	1,200
1KT	Hedge/Member		Increase	USD	1,080	1,080	1,200	1,200
S&P SELECT SECTOR - UTILITIES- All Months (BTIC SP 500 UTILITIES SEL SECTOR)								
XUT	Spec		Increase	USD	858	780	1,210	1,100
XUT	Hedge/Member		Increase	USD	780	780	1,100	1,100
S&P SELECT SECTOR - UTILITIES- All Months (EMINI SP500-UTILITIES SECTOR INDEX)								
XAU	Spec		Increase	USD	858	780	1,210	1,100
XAU	Hedge/Member		Increase	USD	780	780	1,100	1,100
S&P SELECT SECTOR - UTILITIES- All Months (SP 500 UTILITIES SEL SECTOR SYNTH)								
1UT	Spec		Increase	USD	858	780	1,210	1,100
1UT	Hedge/Member		Increase	USD	780	780	1,100	1,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
European Propane CIF ARA (Argus) vs. Naphtha CIF NEW (Platts) Swap Futures - 1 vs 2+ (EURO PPNE CIFARG VS NAPHTHA NWE FU)								
EPN	Spec		Increase	USD	7,150	6,500	7,920	7,200
EPN	Hedge/Member		Increase	USD	6,500	6,500	7,200	7,200
High-Low Sulfur Fuel Oil Spread Swap - Consecutive (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Spec		Decrease	USD	3,520	3,200	3,025	2,750
FS	Hedge/Member		Decrease	USD	3,200	3,200	2,750	2,750
High-Low Sulfur Fuel Oil Spread Swap - Months 1-6 vs 1-6 (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Spec		Decrease	USD	9,020	8,200	6,600	6,000
FS	Hedge/Member		Decrease	USD	8,200	8,200	6,000	6,000
Mnths 1-6 vs. Mnths 12+ (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Spec		Decrease	USD	8,250	7,500	6,380	5,800
FS	Hedge/Member		Decrease	USD	7,500	7,500	5,800	5,800
Mnths 1-6 vs. Mnths 7-11 (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Spec		Decrease	USD	9,350	8,500	6,710	6,100
FS	Hedge/Member		Decrease	USD	8,500	8,500	6,100	6,100

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								
(SINGAPORE FOB MARINE 0.5% (PLATTS))								
S53	Spec		Increase	USD	7,150	6,500	8,470	7,700
S53	Spec		Increase	USD	7,040	6,400	8,580	7,800
S53	Hedge/Member		Increase	USD	6,500	6,500	7,700	7,700
S53	Hedge/Member		Increase	USD	6,400	6,400	7,800	7,800
European 3.5% Fuel Oil Rotterdam Calendar Swap - Consecutive Months 2+ (EUROPE 3.5% FUEL OIL RDAM CALFUT)								
UV	Spec		Decrease	USD	2,200	2,000	1,870	1,700
UV	Hedge/Member		Decrease	USD	2,000	2,000	1,700	1,700
European 3.5% Fuel Oil Rotterdam Calendar Swap - Consecutive Months 2+ (MICRO EUROPEAN 3.5% FUEL OIL BARGES)								
MEF	Spec		Decrease	USD	22	20	19	17
MEF	Hedge/Member		Decrease	USD	20	20	17	17
European 3.5% Fuel Oil Rotterdam Calendar Swap - Consecutive Months 2+ (MINI EURO 3.5% FUEL OIL FOB RDM FUT)								
0D	Spec		Decrease	USD	220	200	187	170
0D	Hedge/Member		Decrease	USD	200	200	170	170
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnth 1 vs Mnth 11+ (EUROPE 3.5% FUEL OIL RDAM CALFUT)								
UV	Spec		Decrease	USD	11,275	10,250	9,900	9,000
UV	Hedge/Member		Decrease	USD	10,250	10,250	9,000	9,000
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnth 1 vs Mnth 11+ (MICRO EUROPEAN 3.5% FUEL OIL BARGES)								
MEF	Spec		Decrease	USD	113	103	99	90
MEF	Hedge/Member		Decrease	USD	103	103	90	90
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnth 1 vs Mnth 11+ (MINI EURO 3.5% FUEL OIL FOB RDM FUT)								
0D	Spec		Decrease	USD	1,128	1,025	990	900
0D	Hedge/Member		Decrease	USD	1,025	1,025	900	900
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnth 1 vs Mnth 7-10 (EUROPE 3.5% FUEL OIL RDAM CALFUT)								
UV	Spec		Decrease	USD	8,360	7,600	7,480	6,800
UV	Hedge/Member		Decrease	USD	7,600	7,600	6,800	6,800
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnth 1 vs Mnth 7-10 (MICRO EUROPEAN 3.5% FUEL OIL BARGES)								
MEF	Spec		Decrease	USD	84	76	75	68
MEF	Hedge/Member		Decrease	USD	76	76	68	68

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnth 1 vs Mnth 7-10 (MINI EURO 3.5% FUEL OIL FOB RDM FUT)								
0D	Spec		Decrease	USD	836	760	748	680
0D	Hedge/Member		Decrease	USD	760	760	680	680
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 11+ (EUROPE 3.5% FUEL OIL RDAM CALFUT)								
UV	Spec		Decrease	USD	12,100	11,000	11,000	10,000
UV	Hedge/Member		Decrease	USD	11,000	11,000	10,000	10,000
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 11+ (MICRO EUROPEAN 3.5% FUEL OIL BARGES)								
MEF	Spec		Decrease	USD	121	110	110	100
MEF	Hedge/Member		Decrease	USD	110	110	100	100
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 11+ (MINI EURO 3.5% FUEL OIL FOB RDM FUT)								
0D	Spec		Decrease	USD	1,210	1,100	1,100	1,000
0D	Hedge/Member		Decrease	USD	1,100	1,100	1,000	1,000
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 7-10 (EUROPE 3.5% FUEL OIL RDAM CALFUT)								
UV	Spec		Decrease	USD	11,000	10,000	9,350	8,500
UV	Hedge/Member		Decrease	USD	10,000	10,000	8,500	8,500
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 7-10 (MICRO EUROPEAN 3.5% FUEL OIL BARGES)								
MEF	Spec		Decrease	USD	110	100	94	85
MEF	Hedge/Member		Decrease	USD	100	100	85	85
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 7-10 (MINI EURO 3.5% FUEL OIL FOB RDM FUT)								
0D	Spec		Decrease	USD	1,100	1,000	935	850
0D	Hedge/Member		Decrease	USD	1,000	1,000	850	850
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 7-10 vs 7-10 (EUROPE 3.5% FUEL OIL RDAM CALFUT)								
UV	Spec		Decrease	USD	2,750	2,500	2,200	2,000
UV	Hedge/Member		Decrease	USD	2,500	2,500	2,000	2,000
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 7-10 vs 7-10 (MICRO EUROPEAN 3.5% FUEL OIL BARGES)								
MEF	Spec		Decrease	USD	28	25	22	20
MEF	Hedge/Member		Decrease	USD	25	25	20	20
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 7-10 vs 7-10 (MINI EURO 3.5% FUEL OIL FOB RDM FUT)								
0D	Spec		Decrease	USD	275	250	220	200
0D	Hedge/Member		Decrease	USD	250	250	200	200
European Naphtha Calendar Swap - Mnth 1 vs Mnths 2-6 (EUROPE NAPHTHA CALFUT)								
UN	Spec		Decrease	USD	8,250	7,500	7,150	6,500
UN	Hedge/Member		Decrease	USD	7,500	7,500	6,500	6,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
European Naphtha Calendar Swap - Mnth 1 vs Mnths 2-6 (MIN EURO NPHTHA CIF NWE FUT)								
MNC	Spec		Decrease	USD	825	750	715	650
MNC	Hedge/Member		Decrease	USD	750	750	650	650
Gulf Coast #6 Fuel 3.0% Swap - Consecutive Month 2+ (GULF COAST HSFO (PLATTS) FUTURES)								
MF	Spec		Decrease	USD	880	800	715	650
MF	Hedge/Member		Decrease	USD	800	800	650	650
Gulf Coast #6 Fuel 3.0% Swap - Month 1 vs 12+ (GULF COAST HSFO (PLATTS) FUTURES)								
MF	Spec		Decrease	USD	3,080	2,800	2,530	2,300
MF	Hedge/Member		Decrease	USD	2,800	2,800	2,300	2,300
Gulf Coast #6 Fuel 3.0% Swap - Month 1 vs 7-11 (GULF COAST HSFO (PLATTS) FUTURES)								
MF	Spec		Decrease	USD	2,750	2,500	2,200	2,000
MF	Hedge/Member		Decrease	USD	2,500	2,500	2,000	2,000
Month 1 vs 12+ (SYNTHET GULF COAST NO.6 FUEL OIL 3)								
SMF	Spec		Decrease	USD	3,080	2,800	2,530	2,300
SMF	Hedge/Member		Decrease	USD	2,800	2,800	2,300	2,300
Month 1 vs 7-11 (SYNTHET GULF COAST NO.6 FUEL OIL 3)								
SMF	Spec		Decrease	USD	2,750	2,500	2,200	2,000
SMF	Hedge/Member		Decrease	USD	2,500	2,500	2,000	2,000
Rel Period (SYNTHET GULF COAST NO.6 FUEL OIL 3)								
SMF	Spec		Decrease	USD	880	800	715	650
SMF	Hedge/Member		Decrease	USD	800	800	650	650
Singapore 380CST Fuel Oil - 2-6 vs 7+ (MICRO SINGAPORE FUEL OIL 380CST (PL))								
MAF	Spec		Decrease	USD	132	120	110	100
MAF	Hedge/Member		Decrease	USD	120	120	100	100
Singapore 380CST Fuel Oil - 2-6 vs 7+ (MINI SINGAPORE 380CST FUEL OIL FUT)								
MTS	Spec		Decrease	USD	1,320	1,200	1,100	1,000
MTS	Hedge/Member		Decrease	USD	1,200	1,200	1,000	1,000
Singapore 380CST Fuel Oil - 2-6 vs 7+ (SINGAPORE 380CST FUEL OIL FUT)								
SE	Spec		Decrease	USD	13,200	12,000	11,000	10,000
SE	Hedge/Member		Decrease	USD	12,000	12,000	10,000	10,000
Singapore Mogas 92 Unleaded (Platts) Swap - Mth 1 vs 3+ (MOGAS92 UNLEADED (PLATTS) FUT)								
1N	Spec		Decrease	USD	1,100	1,000	935	850
1N	Hedge/Member		Decrease	USD	1,000	1,000	850	850

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Intra Spreads

Singapore Mogas 92 Unleaded (Platts) Swap - Mth 1 vs Mths 2+ (MOGAS92 UNLEADED (PLATTS) FUT)

1N	Spec		Decrease	USD	1,430	1,300	1,210	1,100
1N	Hedge/Member		Decrease	USD	1,300	1,300	1,100	1,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EQUITY INDEX - Inter-commodity Spread Rates						
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs 30 DAY FED FUNDS FUTURES (41 - CME)						
Spread Credit Rate	Decrease	+1:+8	30%	30%	25%	25%
2-YEAR T-NOTE (26 - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+50:+1	35%	35%	30%	30%
E-MINI DOW (\$5) FUTURES (YM - CME) vs 10-YEAR T-NOTE (21 - CME)						
Spread Credit Rate	Decrease	+1:+3	45%	45%	40%	40%
E-MINI DOW (\$5) FUTURES (YM - CME) vs 2-YEAR T-NOTE (26 - CME)						
Spread Credit Rate	Decrease	+1:+9	40%	40%	25%	25%
E-MINI DOW (\$5) FUTURES (YM - CME) vs 5-YEAR T-NOTE (25 - CME)						
Spread Credit Rate	Decrease	+1:+5	45%	45%	30%	30%
E-MINI DOW (\$5) FUTURES (YM - CME) vs FED FUNDS (41 - CME)						
Spread Credit Rate	Decrease	+1:-11	35%	35%	25%	25%
Spread Credit Rate	Decrease	+1:-8	35%	35%	25%	25%
Spread Credit Rate	Decrease	+1:-7	35%	35%	25%	25%
E-MINI DOW (\$5) FUTURES (YM - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Decrease	+1:+1	30%	30%	25%	25%
E-MINI DOW (\$5) FUTURES (YM - CME) vs ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME)						
Spread Credit Rate	Decrease	+1:+2	45%	45%	35%	35%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs 10-YEAR T-NOTE (21 - CME)						
Spread Credit Rate	Decrease	+1:+3	45%	45%	40%	40%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+5:-1	80%	80%	75%	75%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Decrease	+1:+1	35%	35%	30%	30%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs ULTRA LONG TREASURY BOND (UBE - CME)						
Spread Credit Rate	Decrease	+5:+4	45%	45%	40%	40%
E-MINI RUSSELL 1000 GROWTH INDEX FUTURES (RSG - CME) vs E-MINI DOW (\$5) FUTURES (YM - CME)						
Spread Credit Rate	Decrease	+2:-1	80%	80%	70%	70%
E-MINI RUSSELL 1000 INDEX FUTURES (RS1 - CME) vs NIKKEI 225 DOLLAR-BASED (NK - CME)						
Spread Credit Rate	Decrease	+2:-1	65%	65%	50%	50%
EMINI SP 500 ENERGY SECTOR INDEX (XAE) vs EMINI SP 500 CONS STAPLES SECTOR IX (XAP)						
Spread Credit Rate	Decrease	+1:-3	30%	30%	25%	25%
EMINI SP 500 ENERGY SECTOR INDEX (XAE) vs EMINI SP500 - FINANCIAL SECT INDEX (XAF)						

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	+1:-2	40%	40%	35%	35%
EMINI SP 500 ENERGY SECTOR INDEX (XAE) vs E-MINI SP500 CONS DISCRET SECTOR IX (XAY)						
Spread Credit Rate	Decrease	+1:-2	40%	40%	25%	25%
EMINI SP 500 ENERGY SECTOR INDEX (XAE) vs EMINI SP500-INDUSTRIAL SECTOR INDEX (XAI)						
Spread Credit Rate	Decrease	+1:-2	50%	50%	45%	45%
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK) vs NIKKEI 225 FUTURES (NK)						
Spread Credit Rate	Decrease	-2:+1	55%	55%	45%	45%
EURODOLLAR (ED - CME) Tier 1 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+160:+1	30%	30%	0%	0%
EURODOLLAR (ED - CME) Tier 10 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+100:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 11 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+100:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 2 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+150:+1	42%	42%	30%	30%
EURODOLLAR (ED - CME) Tier 3 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+150:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 4 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+145:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 5 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+135:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 6 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+110:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 7 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+100:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 8 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+100:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 9 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+100:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) vs E-MINI DOW (\$5) FUTURES (YM - CME)						
Spread Credit Rate	Decrease	+14:+1	35%	35%	30%	30%
Spread Credit Rate	Decrease	+11:+1	35%	35%	30%	30%
Spread Credit Rate	Decrease	+8:+1	35%	35%	30%	30%
Spread Credit Rate	Decrease	+7:+1	35%	35%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EURODOLLAR (ED - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Decrease	+20:+1	25%	25%	0%	0%
Spread Credit Rate	Decrease	+15:+1	35%	35%	30%	30%
Spread Credit Rate	Decrease	+11:+1	35%	35%	30%	30%
Spread Credit Rate	Decrease	+8:+1	35%	35%	30%	30%
NIKKEI 225 DOLLAR-BASED (NK - CME) vs E-MINI DOW (\$5) FUTURES (YM - CME)						
Spread Credit Rate	Decrease	+2:-3	60%	60%	55%	55%
S&P 500 (SP - CME) vs FED FUNDS (41 - CME)						
Spread Credit Rate	Decrease	+1:+84	35%	35%	30%	30%
Spread Credit Rate	Decrease	+1:+70	35%	35%	30%	30%
Spread Credit Rate	Decrease	+1:+50	35%	35%	30%	30%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs 2-YEAR T-NOTE (26 - CME)						
Spread Credit Rate	Decrease	+1:+11	35%	35%	30%	30%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs EURODOLLAR (ED - CME)						
Spread Credit Rate	Decrease	+1:+33	30%	30%	0%	0%
Spread Credit Rate	Decrease	+1:+20	42%	42%	30%	30%
Spread Credit Rate	Decrease	+1:+12	42%	42%	40%	40%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs FED FUNDS (41 - CME)						
Spread Credit Rate	Decrease	+1:+20	35%	35%	30%	30%
Spread Credit Rate	Decrease	+1:+14	35%	35%	30%	30%
Spread Credit Rate	Decrease	+1:+10	35%	35%	30%	30%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Decrease	+1:+2	45%	45%	40%	40%
S&P SELECT SECTOR - CONSUMER STAPLES (XAP - CME) vs E-MINI S&P MIDCAP 400 (ME - CME)						
Spread Credit Rate	Decrease	+12:-5	55%	55%	50%	50%
S&P SELECT SECTOR - TECHNOLOGY (XAK - CME) vs NIKKEI 225 YEN-BASED (N1 - CME)						
Spread Credit Rate	Decrease	+2:-1	55%	55%	45%	45%
S&P Small Cap 600 (SMP) vs. S&P 500 Stock Index (SP)						
Spread Credit Rate	Decrease	+2:-1	70%	70%	55%	55%
U.S. TREASURY BOND (17 - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+10:+1	45%	45%	40%	40%
ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+20:+2	45%	45%	40%	40%
ULTRA LONG TREASURY BOND (UBE - CME) vs E-MINI DOW (\$5) FUTURES (YM - CME)						
Spread Credit Rate	Decrease	+4:+5	35%	35%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
Yen-based Nikkei (N1) vs. S&P 500 Stock Index (SP)						
Spread Credit Rate	Decrease	+5:-1	75%	75%	65%	65%

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						
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs 30 DAY FED FUNDS FUTURES (41 - CME)						
Spread Credit Rate	Decrease	+1:+8	30%	30%	25%	25%
2-YEAR T-NOTE (26 - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+50:+1	35%	35%	30%	30%
E-MINI DOW (\$5) FUTURES (YM - CME) vs 10-YEAR T-NOTE (21 - CME)						
Spread Credit Rate	Decrease	+1:+3	45%	45%	40%	40%
E-MINI DOW (\$5) FUTURES (YM - CME) vs 2-YEAR T-NOTE (26 - CME)						
Spread Credit Rate	Decrease	+1:+9	40%	40%	25%	25%
E-MINI DOW (\$5) FUTURES (YM - CME) vs 5-YEAR T-NOTE (25 - CME)						
Spread Credit Rate	Decrease	+1:+5	45%	45%	30%	30%
E-MINI DOW (\$5) FUTURES (YM - CME) vs FED FUNDS (41 - CME)						
Spread Credit Rate	Decrease	+1:-11	35%	35%	25%	25%
Spread Credit Rate	Decrease	+1:-8	35%	35%	25%	25%
Spread Credit Rate	Decrease	+1:-7	35%	35%	25%	25%
E-MINI DOW (\$5) FUTURES (YM - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Decrease	+1:+1	30%	30%	25%	25%
E-MINI DOW (\$5) FUTURES (YM - CME) vs ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME)						
Spread Credit Rate	Decrease	+1:+2	45%	45%	35%	35%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs 10-YEAR T-NOTE (21 - CME)						
Spread Credit Rate	Decrease	+1:+3	45%	45%	40%	40%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Decrease	+1:+1	35%	35%	30%	30%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs ULTRA LONG TREASURY BOND (UBE - CME)						
Spread Credit Rate	Decrease	+5:+4	45%	45%	40%	40%
EURODOLLAR (ED - CME) Tier 1 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+160:+1	30%	30%	0%	0%
EURODOLLAR (ED - CME) Tier 10 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+100:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 11 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+100:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 2 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+150:+1	42%	42%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EURODOLLAR (ED - CME) Tier 3 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+150:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 4 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+145:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 5 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+135:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 6 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+110:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 7 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+100:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 8 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+100:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) Tier 9 vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+100:+1	42%	42%	40%	40%
EURODOLLAR (ED - CME) vs E-MINI DOW (\$5) FUTURES (YM - CME)						
Spread Credit Rate	Decrease	+14:+1	35%	35%	30%	30%
Spread Credit Rate	Decrease	+11:+1	35%	35%	30%	30%
Spread Credit Rate	Decrease	+8:+1	35%	35%	30%	30%
Spread Credit Rate	Decrease	+7:+1	35%	35%	30%	30%
EURODOLLAR (ED - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Decrease	+20:+1	25%	25%	0%	0%
Spread Credit Rate	Decrease	+15:+1	35%	35%	30%	30%
Spread Credit Rate	Decrease	+11:+1	35%	35%	30%	30%
Spread Credit Rate	Decrease	+8:+1	35%	35%	30%	30%
S&P 500 (SP - CME) vs FED FUNDS (41 - CME)						
Spread Credit Rate	Decrease	+1:+84	35%	35%	30%	30%
Spread Credit Rate	Decrease	+1:+70	35%	35%	30%	30%
Spread Credit Rate	Decrease	+1:+50	35%	35%	30%	30%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs 2-YEAR T-NOTE (26 - CME)						
Spread Credit Rate	Decrease	+1:+11	35%	35%	30%	30%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs EURODOLLAR (ED - CME)						
Spread Credit Rate	Decrease	+1:+33	30%	30%	0%	0%
Spread Credit Rate	Decrease	+1:+20	42%	42%	30%	30%
Spread Credit Rate	Decrease	+1:+12	42%	42%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs FED FUNDS (41 - CME)						
Spread Credit Rate	Decrease	+1:+20	35%	35%	30%	30%
Spread Credit Rate	Decrease	+1:+14	35%	35%	30%	30%
Spread Credit Rate	Decrease	+1:+10	35%	35%	30%	30%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Decrease	+1:+2	45%	45%	40%	40%
U.S. TREASURY BOND (17 - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+10:+1	45%	45%	40%	40%
ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+20:+2	45%	45%	40%	40%
ULTRA LONG TREASURY BOND (UBE - CME) vs E-MINI DOW (\$5) FUTURES (YM - CME)						
Spread Credit Rate	Decrease	+4:+5	35%	35%	30%	30%