



12-359

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements:

DATE: Friday, August 17, 2012

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

Monday, August 20, 2012.

Current rates as of:

Friday, August 17, 2012.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
AGRICULTURE - Intra Spreads								
Corn Calendar Swap (CCS) - 2nd New Crop v 2nd New Crop (Dec through Sep)								
CCS	Spec		Increase	USD	405	300	574	425
CCS	Hedge/Member		Increase	USD	300	300	425	425
Corn Calendar Swap (CCS) - Current Crop v 2nd New Crop (Dec through Sep)								
CCS	Spec		Increase	USD	1,215	900	1,688	1,250
CCS	Hedge/Member		Increase	USD	900	900	1,250	1,250
Corn Calendar Swap (CCS) - Current Crop v Current Crop								
CCS	Spec		Increase	USD	473	350	776	575
CCS	Hedge/Member		Increase	USD	350	350	575	575
Corn Calendar Swap (CCS) - Current Crop v New Crop (Dec through Sep)								
CCS	Spec		Increase	USD	1,215	900	1,485	1,100
CCS	Hedge/Member		Increase	USD	900	900	1,100	1,100
Corn Calendar Swap (CCS) - Mth 1 v 2nd New Crop (Dec through Sep)								
CCS	Spec		Increase	USD	1,350	1,000	1,755	1,300
CCS	Hedge/Member		Increase	USD	1,000	1,000	1,300	1,300
Corn Calendar Swap (CCS) - New Crop v 2nd New Crop (Dec through Sep)								
CCS	Spec		Increase	USD	1,350	1,000	1,688	1,250
CCS	Hedge/Member		Increase	USD	1,000	1,000	1,250	1,250
Corn Calendar Swap (CCS) - New Crop v New Crop (Dec through Sep)								
CCS	Spec		Increase	USD	473	350	776	575
CCS	Hedge/Member		Increase	USD	350	350	575	575
Soybean Calendar Swap (SNS) - Mth 1-2 v 2nd New Crop (Nov through Sep)								
SNS	Spec		Increase	USD	2,025	1,500	2,700	2,000
SNS	Hedge/Member		Increase	USD	1,500	1,500	2,000	2,000
Wheat Calendar Swap (WCS) - Current Crop v 2nd New Crop (Jul through May)								
WCS	Spec		Increase	USD	473	350	810	600
WCS	Hedge/Member		Increase	USD	350	350	600	600
Wheat Calendar Swap (WCS) - Current Crop v Current Crop								
WCS	Spec		Increase	USD	473	350	608	450
WCS	Hedge/Member		Increase	USD	350	350	450	450
Wheat Calendar Swap (WCS) - Current Crop v New Crop (Jul through May)								
WCS	Spec		Increase	USD	473	350	810	600
WCS	Hedge/Member		Increase	USD	350	350	600	600
Wheat Calendar Swap (WCS) - New Crop v 2nd New Crop (Jul through May)								
WCS	Spec		Increase	USD	473	350	810	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
WCS	Hedge/Member		Increase	USD	350	350	600	600
Wheat Calendar Swap (WCS) - New Crop v New Crop (Jul through May)								
WCS	Spec		Increase	USD	473	350	675	500
WCS	Hedge/Member		Increase	USD	350	350	500	500

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						
EMINI SP 500 CONS STAPLES SECTOR IX (XAP) vs \$10DOW JONES FUTURES (11)						
Spread Credit Rate	Increase	+2:-1	60%	60%	75%	75%
EMINI SP 500 CONS STAPLES SECTOR IX (XAP) vs E-MINI S&P CNX NIFTY INDEX FUTURES (EMF)						
Spread Credit Rate	Decrease	+3:-2	65%	65%	50%	50%
EMINI SP500 - FINANCIAL SECT INDEX (XAF) vs E-MINI S&P CNX NIFTY INDEX FUTURES (EMF)						
Spread Credit Rate	Decrease	+3:-2	70%	70%	55%	55%
EMINI SP500 - FINANCIAL SECT INDEX (XAF) vs NASDAQ 100 FUTURES (ND)						
Spread Credit Rate	Decrease	+6:-1	55%	55%	0%	0%
EMINI SP500-INDUSTRIAL SECTOR INDEX (XAI) vs E-MINI S&P CNX NIFTY INDEX FUTURES (EMF)						
Spread Credit Rate	Decrease	+3:-2	75%	75%	50%	50%
EMINI SP500-INDUSTRIAL SECTOR INDEX (XAI) vs EMINI SP500-UTILITIES SECTOR INDEX (XAU)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	50%	50%
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK) vs E-MINI S&P CNX NIFTY INDEX FUTURES (EMF)						
Spread Credit Rate	Decrease	+2:-1	65%	65%	50%	50%
EMINI SP500-UTILITIES SECTOR INDEX (XAU) vs E-MINI S&P CNX NIFTY INDEX FUTURES (EMF)						
Spread Credit Rate	Decrease	+3:-2	60%	60%	0%	0%
EMINI SP500-UTILITIES SECTOR INDEX (XAU) vs E-MINI SP500 CONS DISCRET SECTOR IX (XAY)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
EMINI SP500-UTILITIES SECTOR INDEX (XAU) vs NASDAQ 100 FUTURES (ND)						
Spread Credit Rate	Decrease	+6:-1	70%	70%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
FX - Inter-commodity Spread Rates						
AFRICAN RAND (RA - CME) vs RUSSIAN RUBLE (RU - CME)						
Spread Credit Rate	New	+4:-5			45%	45%
AFRICAN RAND (RA - CME) vs TURKISH LIRA FX (USD) (TRY - CME)						
Spread Credit Rate	New	+1:-3			45%	45%
AUSTRALIAN DOLLAR (AD - CME) vs AFRICAN RAND (RA - CME)						
Spread Credit Rate	Increase	+2:-3	30%	30%	50%	50%
AUSTRALIAN DOLLAR (AD - CME) vs HUNGARIAN FORINT (FR - CME)						
Spread Credit Rate	New	+1:-2			45%	45%
AUSTRALIAN DOLLAR (AD - CME) vs KOREAN WON (KRW - CME)						
Spread Credit Rate	New	+4:-5			50%	50%
AUSTRALIAN DOLLAR (AD - CME) vs RUSSIAN RUBLE (RU - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	60%	60%
AUSTRALIAN DOLLAR (AD - CME) vs SWISS FRANC (SF - CME)						
Spread Credit Rate	Increase	+4:-3	50%	50%	60%	60%
BRITISH POUND (BP - CME) vs AFRICAN RAND (RA - CME)						
Spread Credit Rate	Increase	+3:-2	30%	30%	60%	60%
BRITISH POUND (BP - CME) vs CZECH KORUNA (CZ - CME)						
Spread Credit Rate	New	+2:-5			30%	30%
BRITISH POUND (BP - CME) vs EURO FX (EC - CME)						
Spread Credit Rate	Increase	+2:-1	45%	45%	55%	55%
BRITISH POUND (BP - CME) vs NEW ZEALAND DOLLAR (NE - CME)						
Spread Credit Rate	Increase	+3:-2	50%	50%	65%	65%
BRITISH POUND (BP - CME) vs NORWEGIAN KRONE (UN - CME)						
Spread Credit Rate	Increase	+4:-1	55%	55%	60%	60%
BRITISH POUND (BP - CME) vs RUSSIAN RUBLE (RU - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	55%	55%
BRITISH POUND (BP - CME) vs SWEDISH KRONA (SE - CME)						
Spread Credit Rate	Increase	+3:-1	50%	50%	60%	60%
British Pound (BP) vs. Swiss Franc (SF)						
Spread Credit Rate	Increase	+4:-5	50%	50%	60%	60%
CANADIAN DOLLAR (CD - CME) vs AFRICAN RAND (RA - CME)						
Spread Credit Rate	New	+3:-2			50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CANADIAN DOLLAR (CD - CME) vs CROSS RATE CANADIAN DOLLAR/JAPANESE YEN (CY - CME)						
Spread Credit Rate	Increase	+2:-1	55%	55%	70%	70%
CANADIAN DOLLAR (CD - CME) vs KOREAN WON (KRW - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
CANADIAN DOLLAR (CD - CME) vs RUSSIAN RUBLE (RU - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
CANADIAN DOLLAR (CD - CME) vs TURKISH LIRA FX (USD) (TRY - CME)						
Spread Credit Rate	New	+2:-5			50%	50%
CROSS RATE BRITISH POUND/SWISS FRANC (BF - CME) vs BRITISH POUND (BP - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
CROSS RATE BRITISH POUND/SWISS FRANC (BF - CME) vs CROSS RATE EURO FX/BRITISH POUND (RP - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
CROSS RATE BRITISH POUND/SWISS FRANC (BF - CME) vs CROSS RATE EURO FX/JAPANESE YEN (RY - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
CROSS RATE BRITISH POUND/SWISS FRANC (BF - CME) vs TURKISH LIRA FX (EUR) (TRE - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
CROSS RATE CANADIAN DOLLAR/JAPANESE YEN (CY - CME) vs CROSS RATE EURO FX/JAPANESE YEN (RY - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	70%	70%
CROSS RATE CANADIAN DOLLAR/JAPANESE YEN (CY - CME) vs JAPANESE YEN (JY - CME)						
Spread Credit Rate	Increase	+1:+1	30%	30%	50%	50%
CROSS RATE EURO FX/BRITISH POUND (RP - CME) vs CROSS RATE EURO FX/JAPANESE YEN (RY - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
CROSS RATE EURO FX/BRITISH POUND (RP - CME) vs CROSS RATE SWISS FRANC/JAPANESE YEN (SJ - CME)						
Spread Credit Rate	New	+3:-4			45%	45%
CROSS RATE EURO FX/BRITISH POUND (RP - CME) vs POLISH ZLOTY/EURO FX (Z - CME)						
Spread Credit Rate	New	+1:+1			45%	45%
CROSS RATE EURO FX/BRITISH POUND (RP - CME) vs TURKISH LIRA FX (EUR) (TRE - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
CROSS RATE EURO FX/JAPANESE YEN (RY - CME) vs POLISH ZLOTY/EURO FX (Z - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
CROSS RATE EURO FX/SWISS FRANC (RF - CME) vs CROSS RATE EURO FX/BRITISH POUND (RP - CME)						
Spread Credit Rate	New	+1:-1			45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CROSS RATE EURO FX/SWISS FRANC (RF - CME) vs CROSS RATE SWISS FRANC/JAPANESE YEN (SJ - CME)						
Spread Credit Rate	New	+2:-3			45%	45%
CROSS RATE EURO FX/SWISS FRANC (RF - CME) vs POLISH ZLOTY/EURO FX (Z - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
CROSS RATE EURO FX/SWISS FRANC (RF - CME) vs TURKISH LIRA FX (EUR) (TRE - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
CZECH KORUNA (CZ - CME) vs NORWEGIAN KRONE (UN - CME)						
Spread Credit Rate	Increase	+5:-3	40%	40%	50%	50%
CZECH KORUNA (CZ - CME) vs SWEDISH KRONA (SE - CME)						
Spread Credit Rate	Increase	+4:-3	50%	50%	60%	60%
EURO FX (EC - CME) vs CROSS RATE EURO FX/BRITISH POUND (RP - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	45%	45%
EURO FX (EC - CME) vs CROSS RATE EURO FX/SWISS FRANC (RF - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
EURO FX (EC - CME) vs SWISS FRANC (SF - CME)						
Spread Credit Rate	Increase	+2:-3	55%	55%	70%	70%
EURO FX (EC - CME) vs TURKISH LIRA FX (USD) (TRY - CME)						
Spread Credit Rate	Increase	+2:-6	30%	30%	45%	45%
HUNGARIAN FORINT (FR - CME) vs AFRICAN RAND (RA - CME)						
Spread Credit Rate	New	+5:-2			30%	30%
HUNGARIAN FORINT (FR - CME) vs KOREAN WON (KRW - CME)						
Spread Credit Rate	New	+3:-2			30%	30%
HUNGARIAN FORINT (FR - CME) vs NEW ZEALAND DOLLAR (NE - CME)						
Spread Credit Rate	New	+5:-2			30%	30%
HUNGARIAN FORINT (FR - CME) vs NORWEGIAN KRONE (UN - CME)						
Spread Credit Rate	New	+2:-5			30%	30%
HUNGARIAN FORINT (FR - CME) vs SWEDISH KRONA (SE - CME)						
Spread Credit Rate	New	+1:-2			45%	45%
HUNGARIAN FORINT (FR - CME) vs TURKISH LIRA FX (USD) (TRY - CME)						
Spread Credit Rate	New	+3:-4			30%	30%
JAPANESE YEN (JY - CME) vs CHINESE RENMINBI/JAPANESE YEN (RMY - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
KOREAN WON (KRW - CME) vs AFRICAN RAND (RA - CME)						
Spread Credit Rate	New	+5:-3			50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
KOREAN WON (KRW - CME) vs NEW ZEALAND DOLLAR (NE - CME)						
Spread Credit Rate	New	+5:-3			50%	50%
KOREAN WON (KRW - CME) vs RUSSIAN RUBLE (RU - CME)						
Spread Credit Rate	New	+4:-3			50%	50%
KOREAN WON (KRW - CME) vs SWEDISH KRONA (SE - CME)						
Spread Credit Rate	New	+3:-1			50%	50%
KOREAN WON (KRW - CME) vs TURKISH LIRA FX (USD) (TRY - CME)						
Spread Credit Rate	New	+1:-2			50%	50%
NEW ZEALAND DOLLAR (NE - CME) vs AFRICAN RAND (RA - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
NEW ZEALAND DOLLAR (NE - CME) vs RUSSIAN RUBLE (RU - CME)						
Spread Credit Rate	Increase	+5:-6	30%	30%	50%	50%
POLISH ZLOTY (PZ - CME) vs NORWEGIAN KRONE (UN - CME)						
Spread Credit Rate	New	+1:-2			40%	40%
POLISH ZLOTY (PZ - CME) vs SWEDISH KRONA (SE - CME)						
Spread Credit Rate	New	+3:-5			40%	40%
SWISS FRANC (SF - CME) vs AFRICAN RAND (RA - CME)						
Spread Credit Rate	New	+2:-1			50%	50%
SWISS FRANC (SF - CME) vs CROSS RATE BRITISH POUND/SWISS FRANC (BF - CME)						
Spread Credit Rate	Increase	+2:+1	45%	45%	65%	65%
SWISS FRANC (SF - CME) vs HUNGARIAN FORINT (FR - CME)						
Spread Credit Rate	New	+3:-4			50%	50%
SWISS FRANC (SF - CME) vs POLISH ZLOTY (PZ - CME)						
Spread Credit Rate	New	+3:-5			45%	45%
SWISS FRANC (SF - CME) vs RUSSIAN RUBLE (RU - CME)						
Spread Credit Rate	New	+3:-2			45%	45%
SWISS FRANC (SF - CME) vs SWEDISH KRONA (SE - CME)						
Spread Credit Rate	New	+2:-5			50%	50%
TURKISH LIRA FX (EUR) (TRE - CME) vs POLISH ZLOTY/EURO FX (Z - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
TURKISH LIRA FX (EUR) (TRE - CME) vs TURKISH LIRA FX (USD) (TRY - CME)						
Spread Credit Rate	New	+5:-6			45%	45%

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	Increase	+2:-5	50%	50%	60%	60%
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 02						
Spread Credit Rate	Increase	+2:-5	50%	50%	60%	60%
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 03						
Spread Credit Rate	Increase	+2:-5	50%	50%	60%	60%
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 04						
Spread Credit Rate	Increase	+2:-5	50%	50%	60%	60%
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 05						
Spread Credit Rate	Increase	+2:-5	50%	50%	60%	60%
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 06						
Spread Credit Rate	Increase	+2:-5	50%	50%	60%	60%
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 07						
Spread Credit Rate	Increase	+2:-5	50%	50%	60%	60%
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 08						
Spread Credit Rate	Increase	+2:-5	50%	50%	60%	60%
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 09						
Spread Credit Rate	Increase	+2:-5	50%	50%	60%	60%
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 10						
Spread Credit Rate	Increase	+2:-5	50%	50%	60%	60%
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 11						
Spread Credit Rate	Increase	+2:-5	50%	50%	60%	60%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 01						
Spread Credit Rate	Increase	+2:-3	50%	50%	60%	60%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 02						
Spread Credit Rate	Increase	+2:-3	50%	50%	60%	60%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 03						
Spread Credit Rate	Increase	+2:-3	50%	50%	60%	60%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 04						
Spread Credit Rate	Increase	+2:-3	50%	50%	60%	60%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 05						
Spread Credit Rate	Increase	+2:-3	50%	50%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 06						
Spread Credit Rate	Increase	+2:-3	50%	50%	60%	60%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 07						
Spread Credit Rate	Increase	+2:-3	50%	50%	60%	60%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 08						
Spread Credit Rate	Increase	+2:-3	50%	50%	60%	60%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 09						
Spread Credit Rate	Increase	+2:-3	50%	50%	60%	60%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 10						
Spread Credit Rate	Increase	+2:-3	50%	50%	60%	60%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 11						
Spread Credit Rate	Increase	+2:-3	50%	50%	60%	60%
2 Year Treasury Note (26) vs. Fed Funds (CBOT) (41) Tier 1 (Mos. 1-4)						
Spread Credit Rate	Increase	+3:-2	0%	0%	50%	50%
2 Year Treasury Note (26) vs. Fed Funds (CBOT) (41) Tier 2 (Mos. 5+)						
Spread Credit Rate	Increase	+3:-2	0%	0%	50%	50%
5 Year Note (25) vs. Eurodollar (ED) Tier 01						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%
5 Year Note (25) vs. Eurodollar (ED) Tier 02						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%
5 Year Note (25) vs. Eurodollar (ED) Tier 03						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%
5 Year Note (25) vs. Eurodollar (ED) Tier 04						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%
5 Year Note (25) vs. Eurodollar (ED) Tier 05						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%
5 Year Note (25) vs. Eurodollar (ED) Tier 06						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%
5 Year Note (25) vs. Eurodollar (ED) Tier 07						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%
5 Year Note (25) vs. Eurodollar (ED) Tier 08						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%
5 Year Note (25) vs. Eurodollar (ED) Tier 09						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
5 Year Note (25) vs. Eurodollar (ED) Tier 10						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%
5 Year Note (25) vs. Eurodollar (ED) Tier 11						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%
U.S. Treasury Bond vs. Eurodollar (ED) Tier 01						
Spread Credit Rate	Increase	+1:-5	50%	50%	60%	60%
U.S. Treasury Bond vs. Eurodollar (ED) Tier 02						
Spread Credit Rate	Increase	+1:-5	50%	50%	60%	60%
U.S. Treasury Bond vs. Eurodollar (ED) Tier 03						
Spread Credit Rate	Increase	+1:-5	50%	50%	60%	60%
U.S. Treasury Bond vs. Eurodollar (ED) Tier 04						
Spread Credit Rate	Increase	+1:-5	50%	50%	60%	60%
U.S. Treasury Bond vs. Eurodollar (ED) Tier 05						
Spread Credit Rate	Increase	+1:-5	50%	50%	60%	60%
U.S. Treasury Bond vs. Eurodollar (ED) Tier 06						
Spread Credit Rate	Increase	+1:-5	50%	50%	60%	60%
U.S. Treasury Bond vs. Eurodollar (ED) Tier 07						
Spread Credit Rate	Increase	+1:-5	50%	50%	60%	60%
U.S. Treasury Bond vs. Eurodollar (ED) Tier 08						
Spread Credit Rate	Increase	+1:-5	50%	50%	60%	60%
U.S. Treasury Bond vs. Eurodollar (ED) Tier 09						
Spread Credit Rate	Increase	+1:-5	50%	50%	60%	60%
U.S. Treasury Bond vs. Eurodollar (ED) Tier 10						
Spread Credit Rate	Increase	+1:-5	50%	50%	60%	60%
U.S. Treasury Bond vs. Eurodollar (ED) Tier 11						
Spread Credit Rate	Increase	+1:-5	50%	50%	60%	60%