



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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements, ChAdv 22-455

DATE: Thursday, December 1, 2022

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. Please email any questions to Clearing.RiskManagement@cmegroup.com.

The rates will be effective after the close of business on

Friday, December 2, 2022.

Current rates as of:

Thursday, December 1, 2022.

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								

FX - Outright Rates

MICRO CHF/USD FUTURES (MSF)

MSF	Non-HRP	Month 1-3	Increase	USD	410	410	450	450
MSF	HRP	Month 1-3	Increase	USD	451	410	495	450
MSF	Non-HRP	Months 4+	Increase	USD	410	410	450	450
MSF	HRP	Months 4+	Increase	USD	451	410	495	450

MICRO USD/JPY FUTURES (M6J)

M6J	Non-HRP	Month 1-3	Increase	JPY	64,000	64,000	72,000	72,000
M6J	HRP	Month 1-3	Increase	JPY	70,400	64,000	79,200	72,000
M6J	Non-HRP	Months 4+	Increase	JPY	64,000	64,000	72,000	72,000
M6J	HRP	Months 4+	Increase	JPY	70,400	64,000	79,200	72,000

SWISS FRANC FUTURES (SF)

SF	Non-HRP	Month 1-3	Increase	USD	4,100	4,100	4,500	4,500
SF	HRP	Month 1-3	Increase	USD	4,510	4,100	4,950	4,500
SF	Non-HRP	Months 4+	Increase	USD	4,100	4,100	4,500	4,500
SF	HRP	Months 4+	Increase	USD	4,510	4,100	4,950	4,500

INTEREST RATES - Outright Rates

REPO FUNDS RATES FUTURES GERMANY (RFD)

RFD	Non-HRP	Month 1	New	EUR			2,000	2,000
RFD	HRP	Month 1	New	EUR			2,200	2,000
RFD	Non-HRP	Month 2	New	EUR			2,000	2,000
RFD	HRP	Month 2	New	EUR			2,200	2,000
RFD	Non-HRP	Month 3	New	EUR			2,000	2,000
RFD	HRP	Month 3	New	EUR			2,200	2,000
RFD	Non-HRP	Month 4	New	EUR			2,000	2,000
RFD	HRP	Month 4	New	EUR			2,200	2,000
RFD	Non-HRP	Month 5	New	EUR			2,000	2,000
RFD	HRP	Month 5	New	EUR			2,200	2,000
RFD	Non-HRP	Month 6	New	EUR			2,000	2,000
RFD	HRP	Month 6	New	EUR			2,200	2,000
RFD	Non-HRP	Month 7	New	EUR			2,000	2,000
RFD	HRP	Month 7	New	EUR			2,200	2,000
RFD	Non-HRP	Month 8	New	EUR			2,000	2,000
RFD	HRP	Month 8	New	EUR			2,200	2,000
RFD	Non-HRP	Month 9	New	EUR			2,000	2,000
RFD	HRP	Month 9	New	EUR			2,200	2,000
RFD	Non-HRP	Month 10	New	EUR			2,000	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
RFD	HRP	Month 10	New	EUR			2,200	2,000
RFD	Non-HRP	Month 11	New	EUR			2,000	2,000
RFD	HRP	Month 11	New	EUR			2,200	2,000
RFD	Non-HRP	Month 12	New	EUR			2,000	2,000
RFD	HRP	Month 12	New	EUR			2,200	2,000
RFD	Non-HRP	Months 13+	New	EUR			2,000	2,000
RFD	HRP	Months 13+	New	EUR			2,200	2,000
REPO FUNDS RATES FUTURES ITAL (RFI)								
RFI	Non-HRP	Month 1	New	EUR			2,000	2,000
RFI	HRP	Month 1	New	EUR			2,200	2,000
RFI	Non-HRP	Month 2	New	EUR			2,000	2,000
RFI	HRP	Month 2	New	EUR			2,200	2,000
RFI	Non-HRP	Month 3	New	EUR			2,000	2,000
RFI	HRP	Month 3	New	EUR			2,200	2,000
RFI	Non-HRP	Month 4	New	EUR			2,000	2,000
RFI	HRP	Month 4	New	EUR			2,200	2,000
RFI	Non-HRP	Month 5	New	EUR			2,000	2,000
RFI	HRP	Month 5	New	EUR			2,200	2,000
RFI	Non-HRP	Month 6	New	EUR			2,000	2,000
RFI	HRP	Month 6	New	EUR			2,200	2,000
RFI	Non-HRP	Month 7	New	EUR			2,000	2,000
RFI	HRP	Month 7	New	EUR			2,200	2,000
RFI	Non-HRP	Month 8	New	EUR			2,000	2,000
RFI	HRP	Month 8	New	EUR			2,200	2,000
RFI	Non-HRP	Month 9	New	EUR			2,000	2,000
RFI	HRP	Month 9	New	EUR			2,200	2,000
RFI	Non-HRP	Month 10	New	EUR			2,000	2,000
RFI	HRP	Month 10	New	EUR			2,200	2,000
RFI	Non-HRP	Month 11	New	EUR			2,000	2,000
RFI	HRP	Month 11	New	EUR			2,200	2,000
RFI	Non-HRP	Month 12	New	EUR			2,000	2,000
RFI	HRP	Month 12	New	EUR			2,200	2,000
RFI	Non-HRP	Months 13+	New	EUR			2,000	2,000
RFI	HRP	Months 13+	New	EUR			2,200	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

REPO FUNDS RATES SPREAD FUTURES ITA (RSI)

RSI	Non-HRP	Month 1	New	EUR			1,050	1,050
RSI	HRP	Month 1	New	EUR			1,155	1,050
RSI	Non-HRP	Month 2	New	EUR			1,050	1,050
RSI	HRP	Month 2	New	EUR			1,155	1,050
RSI	Non-HRP	Month 3	New	EUR			1,050	1,050
RSI	HRP	Month 3	New	EUR			1,155	1,050
RSI	Non-HRP	Month 4	New	EUR			1,050	1,050
RSI	HRP	Month 4	New	EUR			1,155	1,050
RSI	Non-HRP	Month 5	New	EUR			1,050	1,050
RSI	HRP	Month 5	New	EUR			1,155	1,050
RSI	Non-HRP	Month 6	New	EUR			1,050	1,050
RSI	HRP	Month 6	New	EUR			1,155	1,050
RSI	Non-HRP	Month 7	New	EUR			1,050	1,050
RSI	HRP	Month 7	New	EUR			1,155	1,050
RSI	Non-HRP	Month 8	New	EUR			1,050	1,050
RSI	HRP	Month 8	New	EUR			1,155	1,050
RSI	Non-HRP	Month 9	New	EUR			1,050	1,050
RSI	HRP	Month 9	New	EUR			1,155	1,050
RSI	Non-HRP	Months 10+	New	EUR			1,050	1,050
RSI	HRP	Months 10+	New	EUR			1,155	1,050

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

REPO FUNDS RATES SPREAD GER FUT (RSD)

RSD	Non-HRP	Month 1	New	EUR			1,050	1,050
RSD	HRP	Month 1	New	EUR			1,155	1,050
RSD	Non-HRP	Month 2	New	EUR			1,050	1,050
RSD	HRP	Month 2	New	EUR			1,155	1,050
RSD	Non-HRP	Month 3	New	EUR			1,050	1,050
RSD	HRP	Month 3	New	EUR			1,155	1,050
RSD	Non-HRP	Month 4	New	EUR			1,050	1,050
RSD	HRP	Month 4	New	EUR			1,155	1,050
RSD	Non-HRP	Month 5	New	EUR			1,050	1,050
RSD	HRP	Month 5	New	EUR			1,155	1,050
RSD	Non-HRP	Month 6	New	EUR			1,050	1,050
RSD	HRP	Month 6	New	EUR			1,155	1,050
RSD	Non-HRP	Month 7	New	EUR			1,050	1,050
RSD	HRP	Month 7	New	EUR			1,155	1,050
RSD	Non-HRP	Month 8	New	EUR			1,050	1,050
RSD	HRP	Month 8	New	EUR			1,155	1,050
RSD	Non-HRP	Month 9	New	EUR			1,050	1,050
RSD	HRP	Month 9	New	EUR			1,155	1,050
RSD	Non-HRP	Months 10+	New	EUR			1,050	1,050
RSD	HRP	Months 10+	New	EUR			1,155	1,050

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
INTEREST RATES - Intra Spreads								
German Repo Basis Intra (REPO FUNDS RATES SPREAD GER FUT)								
RSD	Non-HRP		New	EUR			375	375
RSD	HRP		New	EUR			413	375
German Repo Futures Intra (REPO FUNDS RATES FUTURES GERMANY)								
RFD	Non-HRP		New	EUR			700	700
RFD	HRP		New	EUR			770	700
Italy Repo Basis Intra (REPO FUNDS RATES SPREAD FUTURES ITA)								
RSI	Non-HRP		New	EUR			375	375
RSI	HRP		New	EUR			413	375
Italy Repo Futures Intra (REPO FUNDS RATES FUTURES ITAL)								
RFI	Non-HRP		New	EUR	750	750	700	700
RFI	HRP		New	EUR	750	750	770	700

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						
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 1 vs EURODOLLAR FUTURE (ED) Contracts 1-3						
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 1 vs EURODOLLAR FUTURE (ED) Contracts 4-8						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 1 vs EURODOLLAR FUTURE (ED) Contracts 9-12						
Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 1 vs THREE MONTH SOFR FUTURE (SR3) Contracts 1						
Spread Credit Rate	Increase	+1:-1	30%	30%	70%	70%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 1 vs THREE MONTH SOFR FUTURE (SR3) Contracts 2						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 1 vs THREE MONTH SOFR FUTURE (SR3) Contracts 3						
Spread Credit Rate	Increase	+1:-1	45%	45%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 12-16 vs THREE MONTH SOFR FUTURE (SR3) Contracts 2						
Spread Credit Rate	Increase	+1:-1	35%	35%	45%	45%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 17+ vs THREE MONTH SOFR FUTURE (SR3) Contracts 2						
Spread Credit Rate	Increase	+1:-1	35%	35%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs EURODOLLAR FUTURE (ED) Contracts 1-3						
Spread Credit Rate	Increase	+1:-1	40%	40%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs EURODOLLAR FUTURE (ED) Contracts 13-16						
Spread Credit Rate	Increase	+1:-1	35%	35%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs EURODOLLAR FUTURE (ED) Contracts 17-20						
Spread Credit Rate	Increase	+1:-1	30%	30%	60%	60%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs EURODOLLAR FUTURE (ED) Contracts 21-24						
Spread Credit Rate	Increase	+1:-1	30%	30%	55%	55%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs EURODOLLAR FUTURE (ED) Contracts 25-28						
Spread Credit Rate	Increase	+1:-1	35%	35%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs EURODOLLAR FUTURE (ED) Contracts 29-32						
Spread Credit Rate	Increase	+1:-1	35%	35%	55%	55%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs EURODOLLAR FUTURE (ED) Contracts 33-36						
Spread Credit Rate	Increase	+1:-1	35%	35%	55%	55%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs EURODOLLAR FUTURE (ED) Contracts 37-40						
Spread Credit Rate	Increase	+1:-1	35%	35%	55%	55%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs EURODOLLAR FUTURE (ED) Contracts 41+						
Spread Credit Rate	Increase	+1:-1	35%	35%	55%	55%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs EURODOLLAR FUTURE (ED) Contracts 4-8						
Spread Credit Rate	Increase	+1:-1	45%	45%	80%	80%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs EURODOLLAR FUTURE (ED) Contracts 9-12						
Spread Credit Rate	Increase	+1:-1	45%	45%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs THREE MONTH SOFR FUTURE (SR3) Contracts 1						
Spread Credit Rate	Increase	+1:-1	30%	30%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs THREE MONTH SOFR FUTURE (SR3) Contracts 13-16						
Spread Credit Rate	Increase	+1:-1	35%	35%	55%	55%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs THREE MONTH SOFR FUTURE (SR3) Contracts 2						
Spread Credit Rate	Increase	+1:-1	50%	50%	80%	80%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs THREE MONTH SOFR FUTURE (SR3) Contracts 3						
Spread Credit Rate	Increase	+1:-1	55%	55%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs THREE MONTH SOFR FUTURE (SR3) Contracts 4-5						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs THREE MONTH SOFR FUTURE (SR3) Contracts 6-8						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 2-3 vs THREE MONTH SOFR FUTURE (SR3) Contracts 9-12						
Spread Credit Rate	Increase	+1:-1	50%	50%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs EURODOLLAR FUTURE (ED) Contracts 1-3						
Spread Credit Rate	Increase	+1:-1	40%	40%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs EURODOLLAR FUTURE (ED) Contracts 13-16						
Spread Credit Rate	Increase	+1:-1	35%	35%	70%	70%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs EURODOLLAR FUTURE (ED) Contracts 17-20						
Spread Credit Rate	Increase	+1:-1	35%	35%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs EURODOLLAR FUTURE (ED) Contracts 21-24						
Spread Credit Rate	Increase	+1:-1	35%	35%	60%	60%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs EURODOLLAR FUTURE (ED) Contracts 25-28						
Spread Credit Rate	Increase	+1:-1	35%	35%	60%	60%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs EURODOLLAR FUTURE (ED) Contracts 29-32						
Spread Credit Rate	Increase	+1:-1	35%	35%	60%	60%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs EURODOLLAR FUTURE (ED) Contracts 33-36						
Spread Credit Rate	Increase	+1:-1	35%	35%	60%	60%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs EURODOLLAR FUTURE (ED) Contracts 37-40						
Spread Credit Rate	Increase	+1:-1	35%	35%	60%	60%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs EURODOLLAR FUTURE (ED) Contracts 41+						
Spread Credit Rate	Increase	+1:-1	35%	35%	60%	60%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs EURODOLLAR FUTURE (ED) Contracts 4-8						
Spread Credit Rate	Increase	+1:-1	60%	60%	80%	80%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs EURODOLLAR FUTURE (ED) Contracts 9-12						
Spread Credit Rate	Increase	+1:-1	55%	55%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs THREE MONTH SOFR FUTURE (SR3) Contracts 1						
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs THREE MONTH SOFR FUTURE (SR3) Contracts 13-16						
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs THREE MONTH SOFR FUTURE (SR3) Contracts 2						
Spread Credit Rate	Increase	+1:-1	50%	50%	80%	80%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs THREE MONTH SOFR FUTURE (SR3) Contracts 3						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs THREE MONTH SOFR FUTURE (SR3) Contracts 4-5						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs THREE MONTH SOFR FUTURE (SR3) Contracts 6-8						
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 4-5 vs THREE MONTH SOFR FUTURE (SR3) Contracts 9-12						
Spread Credit Rate	New	+1:-1			60%	60%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs EURODOLLAR FUTURE (ED) Contracts 1-3						
Spread Credit Rate	Increase	+1:-1	40%	40%	60%	60%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs EURODOLLAR FUTURE (ED) Contracts 13-16						
Spread Credit Rate	Increase	+1:-1	40%	40%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs EURODOLLAR FUTURE (ED) Contracts 17-20						
Spread Credit Rate	Increase	+1:-1	35%	35%	70%	70%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs EURODOLLAR FUTURE (ED) Contracts 21-24						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs EURODOLLAR FUTURE (ED) Contracts 25-28						
Spread Credit Rate	Increase	+1:-1	40%	40%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs EURODOLLAR FUTURE (ED) Contracts 29-32						
Spread Credit Rate	Increase	+1:-1	40%	40%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs EURODOLLAR FUTURE (ED) Contracts 33-36						
Spread Credit Rate	Increase	+1:-1	40%	40%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs EURODOLLAR FUTURE (ED) Contracts 37-40						
Spread Credit Rate	Increase	+1:-1	40%	40%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs EURODOLLAR FUTURE (ED) Contracts 41+						
Spread Credit Rate	Increase	+1:-1	40%	40%	55%	55%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs EURODOLLAR FUTURE (ED) Contracts 4-8						
Spread Credit Rate	Increase	+1:-1	55%	55%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs EURODOLLAR FUTURE (ED) Contracts 9-12						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs THREE MONTH SOFR FUTURE (SR3) Contracts 1						
Spread Credit Rate	Increase	+1:-1	30%	30%	60%	60%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs THREE MONTH SOFR FUTURE (SR3) Contracts 13-16						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs THREE MONTH SOFR FUTURE (SR3) Contracts 2						
Spread Credit Rate	Increase	+1:-1	45%	45%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs THREE MONTH SOFR FUTURE (SR3) Contracts 3						
Spread Credit Rate	Increase	+1:-1	55%	55%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs THREE MONTH SOFR FUTURE (SR3) Contracts 4-5						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs THREE MONTH SOFR FUTURE (SR3) Contracts 6-8						
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 6-7 vs THREE MONTH SOFR FUTURE (SR3) Contracts 9-12						
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs EURODOLLAR FUTURE (ED) Contracts 1-3						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs EURODOLLAR FUTURE (ED) Contracts 13-16						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs EURODOLLAR FUTURE (ED) Contracts 17-20						
Spread Credit Rate	Increase	+1:-1	55%	55%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs EURODOLLAR FUTURE (ED) Contracts 21-24						
Spread Credit Rate	Increase	+1:-1	55%	55%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs EURODOLLAR FUTURE (ED) Contracts 25-28						
Spread Credit Rate	Increase	+1:-1	55%	55%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs EURODOLLAR FUTURE (ED) Contracts 29-32						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs EURODOLLAR FUTURE (ED) Contracts 33-36						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs EURODOLLAR FUTURE (ED) Contracts 37-40						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs EURODOLLAR FUTURE (ED) Contracts 41+						
Spread Credit Rate	Increase	+1:-1	45%	45%	55%	55%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs EURODOLLAR FUTURE (ED) Contracts 4-8						
Spread Credit Rate	Increase	+1:-1	35%	35%	70%	70%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs EURODOLLAR FUTURE (ED) Contracts 9-12						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs THREE MONTH SOFR FUTURE (SR3) Contracts 1						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs THREE MONTH SOFR FUTURE (SR3) Contracts 13-16						
Spread Credit Rate	Increase	+1:-1	55%	55%	65%	65%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs THREE MONTH SOFR FUTURE (SR3) Contracts 2						
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs THREE MONTH SOFR FUTURE (SR3) Contracts 3						
Spread Credit Rate	Increase	+1:-1	45%	45%	75%	75%
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs THREE MONTH SOFR FUTURE (SR3) Contracts 4-5						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
THREE-MONTH BLOOMBERG SHORT-TERM FUTURE (BSB) Contracts 8-11 vs THREE MONTH SOFR FUTURE (SR3) Contracts 6-8						
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%