Eris SOFR OIS Swap Futures

Contract Specifications – Confidential

Version 1 – November 8, 2019

DCM	[CBOT]										
Trading Hours	Globex trading hours (5:00 pm CT to 4:00 pm CT, Sunday to Friday)										
Contract Structure	$100,000 notional principal contracts Contracts embed the exchange of receiving fixed annual amounts, versus paying annual floating amounts. The annual floating amounts are determined from the daily compounded SOFR fixings during each Accrual Period.										
Contract Size	1 Contract = U.S. $100,000 face										
Margining Framework	1-day Margin Period of Risk (MPOR)										
Contract Listings	Quarterly IMM Effective Date Contracts, listed [9] months prior to the Contract Effective date										
Underlying Tenors	1, 2, 3, 4, 5, 7, 10, 15, 20 and 30-year tenor contracts										
Contract Symbols	6-character alpha-numeric codes, made up of a 3-character prefix representing the contract tenor, and a 3-character suffix representing the contract effective date										
Contract Symbol Prefix	1y	2y	3y	4y	5y	7y	10y	12y	15y	20y	30y
	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Contract Symbol Suffix	3-character suffix, made up of 1-character IMM effective month (Mar, Jun, Sep, Dec: H, M, U, Z), followed by a 2-digit Contract Effective Date year (e.g. [XXX]Z20 = December 2020 Eris SOFR OIS 5Y, expiring in December 2025)										
Trading Conventions	Buy/Long Position implies Receive Fixed, Pay SOFR Sell/Short Position implies Pay Fixed, Receive SOFR										
Swap Futures Fixed & Floating Leg Conventions	Contract Effective Date	The IMM date for the respective contract									
	Payment Frequency	Annual									
	Accrual Periods	Annual periods commencing on the Contract Effective Date, to each subsequent annual calendar date thereafter, aligned with the CFAD (see below), subject to adjustment in accordance with the Modified Following Business Day Convention									
	Day Count Convention	Actual/360									

	Payment Dates	2 business days following each Accrual Period end date
	Holiday Calendar	New York
	Fixed Rate	Interest rate determined at contract listing, set to the nearest 0.25% to the expected par rate for the underlying swap
	Floating Rate	USD-SOFR-COMPOUND Daily compounded rate determined from SOFR fixings during the Accrual Period
Cash Flow Alignment Date ("CFAD")	The date used for aligning fixed and floating Accrual Period end dates and determining the contract Maturity Date The Cash Flow Alignment Date (CFAD) is determined by adding the tenor to the Effective Date For example, an Eris SOFR OIS Future with an Effective Date of 6/17/2020 and a tenor of 3 years implies a Cash Flow Alignment Date of 6/17/2023, the calendar date 3 years following the Effective Date. The Cash Flow Alignment Date may fall on any calendar day, including weekends and holidays The CFAD is then used to align and determine each Accrual Period end date and the Contract Maturity Date (see below)	
Contract Maturity Date	Contract matures on the final payment date, which is 2 business days following the final Accrual Period end date Eris PAI™ accrues up to the Contract Maturity Date	
Last Trading Day	3 business days prior to the contract Maturity Date	
Daily Settlement Price	Contracts will be priced on a basis of 100 The Settlement Price for each Contract is defined as: $S_t = 100 + A_t + B_t - C_t$ S_t = Settlement Price on date t A_t = The net present value of future cash flows on date t, discounted on a SOFR curve B_t = Accumulated historical payments of fixed and floating amounts C_t = Accumulated daily interest on A_{t-1} calculated in arrears and published daily, referred to as Eris Price Alignment Interest (or Eris PAI™)	

	Eris Settlement Prices will be calculated and published to 4 decimals of precision (e.g., 100.1234), equivalent to the nearest $0.10/10 cents per contract Eris PAI is assessed beginning on the first date that a contract is listed
Final Settlement Price	100 plus the net accumulated value of cash flows: S_{final} = 100 + B_{final} - C_{final} S_{final} = Settlement Price at Maturity Date B_{final} = Net accumulated fixed and floating payments C_{final} = Eris PAI on the Maturity Date