

CME CF Cryptocurrency Pricing Products

Constituent Exchanges List

Version:
12.6

Version Date:
07th April 2025

Version History

Version	Date Issued	Summary of Change
1	November 2016	N/A
2	May 2018	Expanded to include multiple cryptocurrencies
3	August 2018	Renamed GDAX to Coinbase Pro in line with branding changes by Coinbase
3.1	25 th January 2019	Temporary suspension of itBit
3.2	1 st February 2019	Lifted suspension of itBit
4	12 th July 2019	Rebrand to CF Benchmarks
5	15 th July 2019	Addition of itBit to: <ul style="list-style-type: none"> • CME CF Ether-Dollar Reference Rate • CME CF Ether-Dollar Real Time Index
5.1	30 th August 2019	Addition of Gemini to: <ul style="list-style-type: none"> • CME CF Bitcoin Reference Rate • CME CF Bitcoin Real Time Index • CME CF Ether-Dollar Reference Rate • CME CF Ether-Dollar Real Time Index
6	11 th September 2019	Update legal text with BMR registration
7	28 th October 2019	Addition of Coinbase to: <ul style="list-style-type: none"> • CME CF Ether-Dollar Reference Rate • CME CF Ether-Dollar Real Time Index
8	20 th May 2020	Update copyright
9	28 th February 2022	Addition of: <ul style="list-style-type: none"> • CME CF Bitcoin Reference Rate – Asia Pacific Variant • CME CF Ether-Dollar Reference Rate – Asia Pacific Variant
10	25 th April 2022	Addition of: <ul style="list-style-type: none"> • CME CF Litecoin - Dollar Reference Rate • CME CF Litecoin - Dollar Real Time Index • CME CF Bitcoin Cash - Dollar Reference Rate • CME CF Bitcoin Cash - Dollar Real Time Index • CME CF Cardano - Dollar Reference Rate • CME CF Cardano - Dollar Real Time Index • CME CF Algorand - Dollar Reference Rate • CME CF Algorand - Dollar Real Time Index • CME CF Cosmos - Dollar Reference Rate • CME CF Cosmos - Dollar Real Time Index • CME CF Polkadot - Dollar Reference Rate • CME CF Polkadot - Dollar Real Time Index • CME CF Polygon - Dollar Reference Rate • CME CF Polygon - Dollar Real Time Index • CME CF Stellar Lumens - Dollar Reference Rate • CME CF Stellar Lumens - Dollar Real Time Index • CME CF Solana - Dollar Reference Rate • CME CF Solana - Dollar Real Time Index • CME CF Uniswap - Dollar Reference Rate • CME CF Uniswap - Dollar Real Time Index

Version	Date Issued	Summary of Change
		<ul style="list-style-type: none"> • CME CF Chainlink - Dollar Reference Rate • CME CF Chainlink - Dollar Real Time Index
10.1	3 rd May 2022	Addition of LMAX Digital to: <ul style="list-style-type: none"> • CME CF Bitcoin Reference Rate • CME CF Bitcoin Reference Rate – New York Variant • CME CF Bitcoin Real Time Index • CME CF Ether-Dollar Reference Rate • CME CF Ether-Dollar Reference Rate - New York Variant • CME CF Ether-Dollar Real Time Index
11.0	31 st October 2022	Addition of: <ul style="list-style-type: none"> • CME CF Bitcoin - Euro Reference Rate • CME CF Bitcoin - Euro Real Time Index • CME CF Ether - Euro Reference Rate • CME CF Ether - Euro Real Time Index • CME CF Avalanche - Dollar Reference Rate • CME CF Avalanche - Dollar Real Time Index • CME CF Filecoin - Dollar Reference Rate • CME CF Filecoin - Dollar Real Time Index • CME CF Tezos - Dollar Reference Rate • CME CF Tezos - Dollar Reference Rate
11.1	22 nd November 2022	Addition of LMAX Digital to: <ul style="list-style-type: none"> • CME CF Litecoin - Dollar Reference Rate • CME CF Litecoin - Dollar Real Time Index • CME CF Bitcoin Cash - Dollar Reference Rate • CME CF Bitcoin Cash - Dollar Real Time Index Addition of Gemini to: <ul style="list-style-type: none"> • CME CF Solana - Dollar Reference Rate • CME CF Solana - Dollar Real Time Index
11.2	19 th December 2022	Addition of: <ul style="list-style-type: none"> • CME CF Aave-Dollar Reference Rate • CME CF Aave-Dollar Real Time Index • CME CF Curve-Dollar Reference Rate • CME CF Curve-Dollar Real Time Index • CME CF Synthetix-Dollar Reference Rate • CME CF Synthetix-Dollar Real Time Index
11.3	30 th January 2023	Addition of: <ul style="list-style-type: none"> • CME CF Axie Infinity-Dollar Reference Rate • CME CF Axie Infinity-Dollar Real Time Index • CME CF Chiliz-Dollar Reference Rate • CME CF Chiliz-Dollar Real Time Index • CME CF Decentraland-Dollar Reference Rate • CME CF Decentraland-Dollar Real Time Index
11.4	6 th September 2023	Addition of: <ul style="list-style-type: none"> • CME CF Bitcoin Reference Rate – Asia Pacific Variant • CME CF Ether-Dollar Reference Rate – Asia Pacific Variant
11.5	13 th November 2023	Update to logo & format

Version	Date Issued	Summary of Change
11.6	20 th November 2023	Updated logo (AKC v2)
11.7	29 th July 2024	Addition of: <ul style="list-style-type: none"> • CME CF XRP-Dollar Reference Rate • CME CF XRP-Dollar Real Time Index • CME CF Internet Computer -Dollar Reference Rate • CME CF Internet Computer -Dollar Real Time Index
11.8	16 th September 2024	Addition of: <ul style="list-style-type: none"> • CME CF Solana-Dollar Reference Rate - New York Variant • CME CF Chainlink – Dollar Reference Rate - New York Variant • CME CF Polygon – Dollar Reference Rate – New York Variant • CME CF XRP – Dollar Reference Rate – New York Variant
11.9	20 th September 2024	Suspension of Gemini as a constituent exchange from: <ul style="list-style-type: none"> • CME CF Synthetix-Dollar Settlement Price (SNXUSD_RR) • CME CF Synthetix-Dollar Real Time Index (SNXUSD_RTI)
12.0	04 th November 2024	Changes to Input Data and Tickers for CME CF Polygon-Dollar Reference Rate Update to the copyright date Update to Notice and Disclaimer
12.1	25 th November 2024	Suspension of Bitstamp as a constituent exchange from: <ul style="list-style-type: none"> • CME CF Chiliz-Dollar Reference Rate (CHZUSD_RR) • CME CF Chiliz-Dollar Real Time Index (CHZUSD_RTI) • CME CF Curve-Dollar Reference Rate (CRVUSD_RR) • CME CF Curve-Dollar Real Time Index (CRVUSD_RTI) • CME CF Synthetix-Dollar Reference Rate (SNXUSD_RR) • CME CF Synthetix-Dollar Real Time Index (SNXUSD_RTI)
12.2	9 th December 2024	Addition of: <ul style="list-style-type: none"> • CME CF Polkadot-Dollar Reference Rate - New York Variant Renamed Ripple to XRP
12.3	30 th December 2024	Addition of Bullish Exchange as a CME CF Constituent Exchange for CME CF Bitcoin-Dollar Indices
12.4	24 th February 2025	Addition of LAMX Digital as a CME CF Constituent Exchange for CME CF Solana-Dollar indices
12.5	31 st March 2025	Addition of Crypto.com as a CME CF Constituent Exchange for CME CF Bitcoin-Dollar Indices; CME CF Ether-Dollar Index
12.6	07 th April 2025	Addition of: <ul style="list-style-type: none"> • CME CF Litecoin-Dollar Reference Rate – New York Variant • CME CF Litecoin-Dollar Reference Rate – Asia Pacific Variant • CME CF Solana-Dollar Reference Rate – Asia Pacific Variant • CME CF Cardano-Dollar Reference Rate – Asia Pacific Variant

Version	Date Issued	Summary of Change
		<ul style="list-style-type: none"> CME CF Chainlink-Dollar Reference Rate – Asia Pacific Variant CME CF XRP-Dollar Reference Rate – Asia Pacific Variant

Constituent Exchanges

Cryptocurrency trading venues¹ are verified against the CME CF Constituent Exchange Criteria by the Administrator under the oversight of the CME CF Cryptocurrency Pricing Products Oversight Committee to serve as pricing sources for the calculation of a CME CF Cryptocurrency Reference Rate or CME CF Cryptocurrency Real Time Index, collectively known as the CME CF Cryptocurrency Pricing Products.

Constituent Exchanges List

Index Name	CME CF Bitcoin Reference Rate and Variants		
Ticker Symbol	BRR & BRRNY & BRRAP		
Index Name	CME CF Bitcoin Real Time Index		
Ticker Symbol	BRTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitfinex	14-Nov-16	Apr-17
	Bitstamp	14-Nov-16	
	Coinbase	14-Nov-16	
	itBit	14-Nov-16	25-Jan-19 (BRR only)
		01-Feb-19	
	Kraken	14-Nov-16	
	OKCoin.com (HK)	14-Nov-16	Apr-17
	Gemini	30-Aug-19	
	Bullish Exchange	30-Dec-24	
	Crypto.com	31-Mar-25	
	LMAX Digital	03-May-21	

¹ Constituent Exchanges are published on the Administrator's website <https://www.cfbenchmarks.com> as well on the CME Group webpage <https://www.cmegroup.com/cryptocurrencies>. Details on Constituent Exchange Criteria can be found at: <https://www.cmegroup.com/cryptocurrencies>.

* Includes trades and orders from Coinbase, Coinbase Pro and Coinbase Prime

Index Name	CME CF Ether – Dollar Reference Rate and Variants		
Ticker Symbol	ETHUSD_RR & ETHUSD_NY & ETHUSD_AP		
Index Name	CME CF Ether – Dollar Real Time Index		
Ticker Symbol	ETHUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitstamp	14-May-18	
	Kraken	14-May-18	
	itBit	15-Jul-19	
	Gemini	30-Aug-19	
	Coinbase	28-Oct-19	
	LMAX Digital	03-May-19	
	Crypto.com	31-Mar-25	

Index Name	CME CF Litecoin – Dollar Reference Rate and Variants		
Ticker Symbol	LTCUSD_RR; LTCUSD_NY and LTCUSD_AP		
Index Name	CME CF Litecoin – Dollar Real Time Index		
Ticker Symbol	LTCUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitstamp	25-Apr-22	
	Coinbase	25-Apr-22	
	Gemini	25-Apr-22	
	Kraken	25-Apr-22	
	LMAX Digital	22-Nov-22	

Index Name	CME CF Bitcoin Cash – Dollar Reference Rate		
Ticker Symbol	BCHUSD_RR		
Index Name	CME CF Bitcoin Cash – Dollar Real Time Index		
Ticker Symbol	BCHUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitstamp	25-Apr-22	
	Coinbase	25-Apr-22	
	Gemini	25-Apr-22	
	Kraken	25-Apr-22	
	LMAX Digital	22-Nov-22	

Index Name	CME CF Cardano – Dollar Reference Rate and Variants		
Ticker Symbol	ADAUSD_RR and ADAUSD_AP		
Index Name	CME CF Cardano – Dollar Real Time Index		

Ticker Symbol	ADAUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	25-Apr-22	
	Kraken	25-Apr-22	
Index Name	CME CF Algorand – Dollar Reference Rate		
Ticker Symbol	ALGOUSD_RR		
Index Name	CME CF Algorand – Dollar Real Time Index		
Ticker Symbol	ALGOUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	25-Apr-22	
	Kraken	25-Apr-22	

Index Name	CME CF Cosmos – Dollar Reference Rate		
Ticker Symbol	ATOMUSD_RR		
Index Name	CME CF Cosmos – Dollar Real Time Index		
Ticker Symbol	ATOMUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	25-Apr-22	
	Kraken	25-Apr-22	

Index Name	CME CF Polkadot – Dollar Reference Rate and Variants		
Ticker Symbol	DOTUSD_RR and DOTUSD_NY		
Index Name	CME CF Polkadot – Dollar Real Time Index		
Ticker Symbol	DOTUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	25-Apr-22	
	Kraken	25-Apr-22	

Index Name	CME CF Polygon – Dollar Reference Rate and Variants		
Ticker Symbol	POLUSD_RR and POLUSD_NY		
Index Name	CME CF Polygon – Dollar Real Time Index		
Ticker Symbol	POLUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	25-Apr-22	
	Kraken	25-Apr-22	
	Gemini	25-Apr-22	29-Oct-24

Index Name	CME CF Stellar Lumens – Dollar Reference Rate		
Ticker Symbol	XLMUSD_RR		
Index Name	CME CF Stellar Lumens – Dollar Real Time Index		
Ticker Symbol	XLMUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	25-Apr-22	
	Gemini	25-Apr-22	
	Kraken	25-Apr-22	

Index Name	CME CF Solana – Dollar Reference Rate and Variants		
Ticker Symbol	SOLUSD_RR; SOLUSD_NY and SOLUSD_AP		
Index Name	CME CF Solana – Dollar Real Time Index		
Ticker Symbol	SOLUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	25-Apr-22	
	Kraken	25-Apr-22	
	Gemini	22-Nov-22	
	LAMX Digital	24-Feb-25	

Index Name	CME CF Uniswap – Dollar Reference Rate		
Ticker Symbol	UNIUSD_RR		
Index Name	CME CF Uniswap – Dollar Real Time Index		
Ticker Symbol	UNIUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	25-Apr-22	
	Kraken	25-Apr-22	

Index Name	CME CF Chainlink – Dollar Reference Rate and Variants		
Ticker Symbol	LINKUSD_RR; LINKUSD_NY and LINKUSD_AP		
Index Name	CME CF Chainlink – Dollar Real Time Index		
Ticker Symbol	LINKUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	25-Apr-22	
	Bitstamp	25-Apr-22	
	Gemini	25-Apr-22	
	Kraken	25-Apr-22	

Index Name	CME CF Bitcoin – Euro Reference Rate		
Ticker Symbol	BTCEUR_RR		
Index Name	CME CF Bitcoin – Euro Real Time Index		
Ticker Symbol	BTCEUR_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitstamp	06-Jun-22	
	Coinbase	06-Jun-22	
	Kraken	06-Jun-22	
	LMAX Digital	06-Jun-22	

Index Name	CME CF Ether – Euro Reference Rate		
Ticker Symbol	ETHEUR_RR		
Index Name	CME CF Ether – Euro Real Time Index		
Ticker Symbol	ETHEUR_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitstamp	06-Jun-22	
	Coinbase	06-Jun-22	
	Kraken	06-Jun-22	
	LMAX Digital	06-Jun-22	

Index Name	CME CF Filecoin – Dollar Reference Rate		
Ticker Symbol	FILUSD_RR		
Index Name	CME CF Filecoin – Dollar Real Time Index		
Ticker Symbol	FILUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	31-Oct-22	
	Gemini	31-Oct-22	
	Kraken	31-Oct-22	

Index Name	CME CF Avalanche – Dollar Reference Rate		
Ticker Symbol	AVAXUSD_RR		
Index Name	CME CF Avalanche – Dollar Real Time Index		
Ticker Symbol	AVAXUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	31-Oct-22	
	Kraken	31-Oct-22	

Index Name	CME CF Tezos – Dollar Reference Rate		
Ticker Symbol	XTZUSD_RR		
Index Name	CME CF Tezos – Dollar Real Time Index		
Ticker Symbol	XTZUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	31-Oct-22	
	Kraken	31-Oct-22	

Index Name	CME CF Aave-Dollar Reference Rate		
Ticker Symbol	AAVEUSD_RR		
Index Name	CME CF Aave-Dollar Real Time Index		
Ticker Symbol	AAVEUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	19-Dec-22	
	Gemini	19-Dec-22	
	Kraken	19-Dec-22	

Index Name	CME CF Curve-Dollar Reference Rate		
Ticker Symbol	CRVUSD_RR		
Index Name	CME CF Curve-Dollar Real Time Index		
Ticker Symbol	CRVUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	19-Dec-22	
	Gemini	19-Dec-22	
	Kraken	19-Dec-22	
	Bitstamp	19-Dec-22	25-Nov-24

Index Name	CME CF Synthetix-Dollar Reference Rate		
Ticker Symbol	SNXUSD_RR		
Index Name	CME CF Synthetix-Dollar Real Time Index		
Ticker Symbol	SNXUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	19-Dec-22	
	Gemini	19-Dec-22	20-Sep-24
	Bitstamp	19-Dec-22	25-Nov-24
	Kraken	19-Dec-22	

Index Name	CF Axie Infinity-Dollar Reference Rate		
Ticker Symbol	AXSUSD_RR		
Index Name	CF AxieInfinity -Dollar Real Time Index		
Ticker Symbol	AXSUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	16-Feb-22	
	Gemini	16-Feb-22	
	Kraken	16-Feb-22	

Index Name	CME CF Decentraland-Dollar Reference Rate		
Ticker Symbol	MANAUSD_RR		
Index Name	CME CF Decentraland-Dollar Real Time Index		
Ticker Symbol	MANAUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	10-Dec-21	
	Gemini	10-Dec-21	
	Kraken	10-Dec-21	

Index Name	CME CF XRP-Dollar Reference Rate and Variants		
Ticker Symbol	XRPUSD_RR; XRPUSD_NY and XRPUSD_AP		
Index Name	CME CF XRP-Dollar Real Time Index		
Ticker Symbol	XRPUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitstamp	01-Oct-17	
	Kraken	01-Oct-17	
	LMAX Digital	29-Jul-24	
	Coinbase	18-Jul-23	
	Coinbase	28-Oct-19	19-Jan-21

Index Name	CME CF Chiliz-Dollar Reference Rate		
Ticker Symbol	CHZUSD_RR		
Index Name	CME CF Chiliz-Dollar Real Time Index		
Ticker Symbol	CHZUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitstamp	02-Feb-22	25-Nov-24
	Coinbase	02-Feb-22	
	Kraken	02-Feb-22	

Index Name	CME CF Internet Computer-Dollar Reference Rate		
Ticker Symbol	ICPUSD_RR		
Index Name	CME CF Internet Computer-Dollar Real Time Index		
Ticker Symbol	ICPUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	19-Dec-22	Coinbase
	Kraken	19-Dec-22	Kraken

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