



Constituent Exchanges

CF Cryptocurrency Index Family

Version: 6.5

Version Date: 31st October 2022

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1 Version History

Version	Date	Changes
1	27th August 2019	N/A
1.1	30th August 2019	<p>Clarification of role of the CF Cryptocurrency Index Family Oversight Function.</p> <p>Addition of Gemini to:</p> <ul style="list-style-type: none"> • CF Bitcoin Cash-Dollar Settlement Price • CF Bitcoin Cash-Dollar Spot Rate • CF Litecoin-Dollar Settlement Price • CF Litecoin-Dollar Spot Rate
2	11th September 2019	Update legal text with BMR registration
3	28 th October 2019	<p>Addition of Coinbase to:</p> <ul style="list-style-type: none"> • CF Bitcoin Cash-Dollar Settlement Price • CF Bitcoin Cash-Dollar Spot Rate • CF Litecoin-Dollar Settlement Price • CF Litecoin-Dollar Spot Rate • CF Ripple-Dollar Settlement Price • CF Ripple-Dollar Spot Price • CF Ripple-Bitcoin Settlement Price • CF Ripple-Bitcoin Spot Price
4	13 th May 2020	<p>Addition of:</p> <ul style="list-style-type: none"> • CF EOS-Dollar Settlement Price • CF EOS-Dollar Spot Rate • CF Stellar Lumens-Dollar Settlement Price • CF Stellar Lumens-Dollar Spot Rate • CF Tezos-Dollar Settlement Price • CF Tezos-Dollar Spot Rate <p>Update ticker symbols</p>
5	25 th August 2020	<p>Addition of:</p> <ul style="list-style-type: none"> • CF PAX Gold-Dollar Settlement Price • CF PAX Gold-Dollar Spot Rate • CF Bitcoin-Euro Settlement Price • CF Bitcoin-Euro Spot Rate • CF Ether-Euro Settlement Price • CF Ether-Euro Spot Rate

Version	Date	Changes
5.1	13 th October 2020	Addition of: <ul style="list-style-type: none"> • CF Chainlink-Dollar Settlement Price • CF Chainlink-Dollar Spot Rate
5.2	19 th January 2021	Suspension of Coinbase from: <ul style="list-style-type: none"> • CF Ripple-Dollar Settlement Price • CF Ripple-Dollar Spot Rate • CF Ripple Bitcoin Settlement Price • CF Ripple-Dollar Spot Rate
5.3	28 th January 2021	Addition of: <ul style="list-style-type: none"> • CF OMG Network – Dollar Settlement Price • CF Orchid – Dollar Settlement Price
5.4	9 th February 2021	Addition of: <ul style="list-style-type: none"> • CF Bitcoin-Dollar US Settlement Price
5.5	26 th February 2021	Addition of itBit to: <ul style="list-style-type: none"> • CF Litecoin – Dollar Settlement Price • CF Litecoin – Dollar Spot Rate • CF Bitcoin Cash – Dollar Settlement Price • CF Bitcoin Cash – Dollar Spot Rate Addition of Bitstamp to: <ul style="list-style-type: none"> • CF Stellar Lumens – Dollar Settlement Price • CF Stellar Lumens – Dollar Spot Rate Addition of Gemini to: <ul style="list-style-type: none"> • CF PAXG – Dollar Settlement Price • CF PAXG – Dollar Spot Rate Removal of: <ul style="list-style-type: none"> • CF Ripple – Bitcoin Settlement Price • CF Ripple – Bitcoin Spot Rate

5.6	24 th May 2021	<p>Addition of:</p> <ul style="list-style-type: none"> • CF Algorand-Dollar Settlement Price • CF Algorand-Dollar Spot Rate • CF Atom-Dollar Settlement Price • CF Atom-Dollar Spot Rate • CF Basic Attention Token-Dollar Settlement Price • CF Basic Attention Token-Dollar Spot Rate • CF Dai-Dollar Settlement Price • CF Dai-Dollar Spot Rate • CF Ether-Dollar US Settlement Price
5.7	4 th August 2021	<p>Addition of:</p> <ul style="list-style-type: none"> • CF Cardano-Dollar Settlement Price • CF Compound-Dollar Settlement Price • CF Filecoin-Dollar Settlement Price • CF Uniswap-Dollar Settlement Price • CF Cardano-Dollar Spot Rate • CF Compound-Dollar Spot Rate • CF Filecoin-Dollar Spot Rate • CF Uniswap-Dollar Spot Rate
5.8	9 th September 2021	<p>Addition of Bitstamp to:</p> <ul style="list-style-type: none"> • CF Chainlink-Dollar Settlement Price • CF OMG Network-Dollar Settlement Price • CF Basic Attention Token-Dollar Settlement Price • CF Chainlink-Dollar Spot Rate • CF OMG Network-Dollar Spot Rate • CF Basic Attention Token-Dollar Spot Rate
5.9	8 th October 2021	<p>Addition of:</p> <ul style="list-style-type: none"> • CF Aave-Dollar Settlement Price • CF Dogecoin-Dollar Settlement Price • CF Polkadot-Dollar Settlement Price • CF Polygon-Dollar Settlement Price • CF Solana-Dollar Settlement Price • CF Aave-Dollar Spot Rate • CF Dogecoin-Dollar Spot Rate • CF Polkadot-Dollar Spot Rate • CF Polygon-Dollar Spot Rate • CF Solana-Dollar Spot Rate

<p>6.0</p>	<p>13th December 2021</p>	<p>Addition of:</p> <ul style="list-style-type: none"> • CF Maker-Dollar Settlement Price • CF TheGraph-Dollar Settlement Price • CF YearnFinance-Dollar Settlement Price • CF Synthetix-Dollar Settlement Price • CF Amp-Dollar Settlement Price • CF Curve-Dollar Settlement Price • CF Decentraland-Dollar Settlement Price • CF Maker-Dollar Spot Price • CF TheGraph-Dollar Spot Price • CF YearnFinance-Dollar Spot Price • CF Synthetix-Dollar Spot Price • CF Amp-Dollar Spot Price • CF Curve-Dollar Spot Price • CF Decentraland-Dollar Spot Price
<p>6.1</p>	<p>23rd March 2022</p>	<p>Addition of:</p> <ul style="list-style-type: none"> • CF Enjin-Dollar Settlement Price • CF Chiliz-Dollar Settlement Price • CF Livepeer-Dollar Settlement Price • CF Sushiswap-Dollar Settlement Price • CF Sandbox-Dollar Settlement Price • CF Rarible-Dollar Settlement Price • CF AxiInfinity-Dollar Settlement Price • CF Avalanche-Dollar Settlement Price • CF Loopring-Dollar Settlement Price • CF Enjin-Dollar Spot Price • CF Chiliz-Dollar Spot Price • CF Livepeer-Dollar Spot Price • CF Sushiswap-Dollar Spot Price • CF Sandbox-Dollar Spot Price • CF Rarible-Dollar Spot Price • CF AxiInfinity-Dollar Spot Price • CF Avalanche-Dollar Spot Price • CF Loopring-Dollar Spot Price

6.2	25 th April 2022	<p>Cessation of:</p> <ul style="list-style-type: none"> • CF Bitcoin - Dollar US Settlement Price • CF Ether - Dollar US Settlement Price • CF Cardano – Dollar Settlement Price • CF Cardano – Dollar Spot Rate • CF Algorand – Dollar Settlement Price • CF Algorand – Dollar Spot Rate • CF Cosmos – Dollar Settlement Price • CF Cosmos – Dollar Spot Rate • CF Chainlink – Dollar Settlement Price • CF Chainlink – Dollar Spot Rate • CF Solana – Dollar Settlement Price • CF Solana – Dollar Spot Rate • CF Stellar Lumens – Dollar Settlement Price • CF Stellar Lumens – Dollar Spot Rate • CF Litecoin – Dollar Settlement Price • CF Litecoin – Dollar Spot Rate • CF Bitcoin Cash – Dollar Settlement Price • CF Bitcoin Cash – Dollar Spot Rate • CF Uniswap – Dollar Settlement Price • CF Uniswap – Dollar Spot Rate • CF Polkadot – Dollar Settlement Price • CF Polkadot – Dollar Spot Rate • CF Polygon – Dollar Settlement Price • CF Polygon – Dollar Spot Rate
6.3	6 th June 2022	<p>Cessation of:</p> <ul style="list-style-type: none"> • CF Bitcoin - Euro Settlement Price • CF Bitcoin – Euro Spot Rate • CF Ether – Euro Settlement Price • CF Ether – Euro Spot Rate
6.4	29 th June 2022	<p>Suspension of Bitstamp from:</p> <ul style="list-style-type: none"> • CF Axie – Infinity Dollar Settlement Price • CF Axie – Infinity Dollar Spot Rate
6.5	31 st October 2022	<p>Cessation of:</p> <ul style="list-style-type: none"> • CF Avalanche-Dollar Settlement Price • CF Avalanche -Dollar Spot Rate • CF Filecoin-Dollar Settlement Price • CF Filecoin-Dollar Spot Rate • CF Tezos-Dollar Settlement Price • CF Tezos-Dollar Spot Rate

2 Constituent Exchanges

Cryptocurrency trading venues¹ are verified by the Administrator against the provisions of the **CF Benchmarks – Input Data Policy** under the oversight of the CF Cryptocurrency Index Family Oversight Function to serve as pricing sources for the calculation of a CF Cryptocurrency Settlement Price or CF Cryptocurrency Spot Rate, collectively known as the CF Cryptocurrency Index Family.

Index Name	CF Ripple-Dollar Settlement Price		
Ticker Symbol	XRPUSD_RR		
Index Name	CF Ripple-Dollar Spot Rate		
Ticker Symbol	XRPUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitstamp	1-Oct-17	
	Kraken	1-Oct-17	
	Coinbase	28-Oct-19	19-Jan-21

Index Name	CF EOS-Dollar Settlement Price		
Ticker Symbol	EOSUSD_RR		
Index Name	CF EOS-Dollar Spot Rate		
Ticker Symbol	EOSUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Kraken	13-May-20	
	Coinbase	13-May-20	

¹ Constituent Exchanges are published on the Administrator’s website <https://www.cfbenchmarks.com>

Index Name	CF PAX Gold-Dollar Settlement Price		
Ticker Symbol	PAXGUSD_RR		
Index Name	CF PAX Gold-Dollar Spot Rate		
Ticker Symbol	PAXGUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	itBit	25-Aug-20	
	Kraken	25-Aug-20	
	Gemini	26-Feb-21	

Index Name	CF OMG Network– Dollar Settlement Price		
Ticker Symbol	OMGUSD_RR		
Index Name	CF OMG Network – Dollar Spot Rate		
Ticker Symbol	OMGUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	28-Jan-21	
	Kraken	28-Jan-21	
	Bitstamp	9-Sep-21	

Index Name	CF Orchid – Dollar Settlement Price		
Ticker Symbol	OXTUSD_RR		
Index Name	CF Orchid – Dollar Spot Rate		
Ticker Symbol	OXTUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	28-Jan-21	
	Gemini	28-Jan-21	
	Kraken	28-Jan-21	

Index Name	CF Dai-Dollar Settlement Price		
Ticker Symbol	DAIUSD_RR		
Index Name	CF Dai-Dollar Spot Rate		
Ticker Symbol	DAIUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitstamp	20-May-21	
	Coinbase	20-May-21	
	Kraken	20-May-21	
	Gemini	20-May-21	

Index Name	CF Basic Attention Token-Dollar Settlement Price		
Ticker Symbol	BATUSD_RR		
Index Name	CF Basic Attention Token-Dollar Spot Rate		
Ticker Symbol	BATUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	20-May-21	
	Kraken	20-May-21	
	Gemini	20-May-21	
	Bitstamp	9-Sep-21	

Index Name	CF Compound-Dollar Settlement Price		
Ticker Symbol	COMPUSD_RR		
Index Name	CF Compound-Dollar Spot Rate		
Ticker Symbol	COMPUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	4-Aug-21	
	Kraken	4-Aug-21	
	Gemini	4-Aug-21	

Index Name	CF Aave-Dollar Settlement Price		
Ticker Symbol	AAVEUSD_RR		
Index Name	CF Aave-Dollar Spot Rate		
Ticker Symbol	AAVEUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitstamp	8-Oct-21	
	Coinbase	8-Oct-21	
	Gemini	8-Oct-21	
	Kraken	8-Oct-21	

Index Name	CF Dogecoin-Dollar Settlement Price		
Ticker Symbol	DOGEUSD_RR		
Index Name	CF Dogecoin-Dollar Spot Rate		
Ticker Symbol	DOGEUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	8-Oct-21	
	Gemini	8-Oct-21	
	Kraken	8-Oct-21	

Index Name	CF Maker-Dollar Settlement Price		
Ticker Symbol	MKRUSD_RR		
Index Name	CF Maker-Dollar Spot Rate		
Ticker Symbol	MKRUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	9-Nov-21	
	Kraken	9-Nov-21	
	Gemini	9-Nov-21	
	Bitstamp	9-Nov-21	

Index Name	CF TheGraph-Dollar Settlement Price		
Ticker Symbol	GRTUSD_RR		
Index Name	CF TheGraph-Dollar Spot Rate		
Ticker Symbol	GRTUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	9-Nov-21	
	Kraken	9-Nov-21	
	Gemini	9-Nov-21	

Index Name	CF YearnFinance-Dollar Settlement Price		
Ticker Symbol	YFIUSD_RR		
Index Name	CF YearnFinance-Dollar Spot Rate		
Ticker Symbol	YFIUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	9-Nov-21	
	Kraken	9-Nov-21	
	Gemini	9-Nov-21	
	Bitstamp	9-Nov-21	

Index Name	CF Synthetix-Dollar Settlement Price		
Ticker Symbol	SNXUSD_RR		
Index Name	CF Synthetix -Dollar Spot Rate		
Ticker Symbol	SNXUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	9-Nov-21	
	Kraken	9-Nov-21	
	Gemini	9-Nov-21	
	Bitstamp	9-Nov-21	

Index Name	CF Amp-Dollar Settlement Price		
Ticker Symbol	AMPUSD_RR		
Index Name	CF Amp -Dollar Spot Rate		
Ticker Symbol	AMPUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	9-Nov-21	
	Gemini	9-Nov-21	

Index Name	CF Curve-Dollar Settlement Price		
Ticker Symbol	CRVUSD_RR		
Index Name	CF Curve-Dollar Spot Rate		
Ticker Symbol	CRVUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	9-Nov-21	
	Kraken	9-Nov-21	
	Gemini	9-Nov-21	
	Bitstamp	9-Nov-21	

Index Name	CF Decentraland-Dollar Settlement Price		
Ticker Symbol	MANAUSD_RR		
Index Name	CF Decentraland-Dollar Spot Rate		
Ticker Symbol	MANAUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	10-Dec-21	
	Kraken	10-Dec-21	
	Gemini	10-Dec-21	

Index Name	CF Enjin-Dollar Settlement Price		
Ticker Symbol	ENJUSD_RR		
Index Name	CF Enjin-Dollar Spot Rate		
Ticker Symbol	ENJUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	02-Feb-22	
	Kraken	02-Feb-22	
	Gemini	02-Feb-22	

Index Name	CF Chiliz-Dollar Settlement Price		
Ticker Symbol	CHZUSD_RR		
Index Name	CF Chiliz-Dollar Spot Rate		
Ticker Symbol	CHZUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	02-Feb-22	
	Kraken	02-Feb-22	
	Bitstamp	02-Feb-22	

Index Name	CF Livepeer-Dollar Settlement Price		
Ticker Symbol	LPTUSD_RR		
Index Name	CF Livepeer-Dollar Spot Rate		
Ticker Symbol	LPTUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	02-Feb-22	
	Kraken	02-Feb-22	
	Gemini	02-Feb-22	

Index Name	CF Sushiswap-Dollar Settlement Price		
Ticker Symbol	SUSHIUSD_RR		
Index Name	CF Sushiswap -Dollar Spot Rate		
Ticker Symbol	SUSHIUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	02-Feb-22	
	Kraken	02-Feb-22	
	Gemini	02-Feb-22	
	Bitstamp	02-Feb-22	

Index Name	CF Sandbox-Dollar Settlement Price		
Ticker Symbol	SANDUSD_RR		
Index Name	CF Sandbox -Dollar Spot Rate		
Ticker Symbol	SANDUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Bitstamp	16-Feb-22	
	Kraken	16-Feb-22	
	Gemini	16-Feb-22	

Index Name	CF Rarible-Dollar Settlement Price		
Ticker Symbol	RARIUSD_RR		
Index Name	CF Rarible -Dollar Spot Rate		
Ticker Symbol	RARIUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	16-Feb-22	
	Kraken	16-Feb-22	

Index Name	CF Axie Infinity-Dollar Settlement Price		
Ticker Symbol	AXSUSD_RR		
Index Name	CF AxieInfinity -Dollar Spot Rate		
Ticker Symbol	AXSUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	16-Feb-22	
	Kraken	16-Feb-22	
	Gemini	16-Feb-22	
	Bitstamp	16-Feb-22	29-Jun-22

Index Name	CF Loopring-Dollar Settlement Price		
Ticker Symbol	LRCUSD_RR		
Index Name	CF Loopring -Dollar Spot Rate		
Ticker Symbol	LRCUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended
	Coinbase	16-Feb-22	
	Kraken	16-Feb-22	
	Gemini	16-Feb-22	

2.1 Disclosure

CF Benchmarks is a member of the Crypto Facilities group of companies which is in turn a member of the Payward, Inc. group of companies. Payward Inc. is the owner and operator of the Kraken Exchange, a venue that facilitates the trading of cryptocurrencies and is a constituent exchange that provides input data to the CF Cryptocurrency Index Family. If any index users have any further questions regarding this disclosure, please contact info@cfbenchmarks.com

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