

# Constituent Exchanges

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**CF Cryptocurrency Index Family**

**Version:**

7.3

**Version Date:**

20th November 2023

# Table of Contents

1 Version History.....	3
2 Constituent Exchanges.....	9
2.1 Disclosure .....	12
Contact Information.....	13

# 1 Version History

Version	Date	Changes
<b>1</b>	27 Aug 2019	N/A
<b>1.1</b>	30 Aug 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"> <li>• CF Bitcoin Cash-Dollar Settlement Price</li> <li>• CF Bitcoin Cash-Dollar Spot Rate</li> <li>• CF Litecoin-Dollar Settlement Price</li> <li>• CF Litecoin-Dollar Spot Rate</li> </ul>
<b>2</b>	11 Sept 2019	Update legal text with BMR registration
<b>3</b>	28 Oct 2019	<p>Addition of Coinbase to:</p> <ul style="list-style-type: none"> <li>• CF Bitcoin Cash-Dollar Settlement Price</li> <li>• CF Bitcoin Cash-Dollar Spot Rate</li> <li>• CF Litecoin-Dollar Settlement Price</li> <li>• CF Litecoin-Dollar Spot Rate</li> <li>• CF Ripple-Dollar Settlement Price</li> <li>• CF Ripple-Dollar Spot Price</li> <li>• CF Ripple-Bitcoin Settlement Price</li> <li>• CF Ripple-Bitcoin Spot Price</li> </ul>
<b>4</b>	13 May 2020	<p>Addition of:</p> <ul style="list-style-type: none"> <li>• CF EOS-Dollar Settlement Price</li> <li>• CF EOS-Dollar Spot Rate</li> <li>• CF Stellar Lumens-Dollar Settlement Price</li> <li>• CF Stellar Lumens-Dollar Spot Rate</li> <li>• CF Tezos-Dollar Settlement Price</li> <li>• CF Tezos-Dollar Spot Rate</li> </ul> <p>Update ticker symbols</p>
<b>5</b>	25 Aug 2020	<p>Addition of:</p> <ul style="list-style-type: none"> <li>• CF PAX Gold-Dollar Settlement Price</li> <li>• CF PAX Gold-Dollar Spot Rate</li> <li>• CF Bitcoin-Euro Settlement Price</li> <li>• CF Bitcoin-Euro Spot Rate</li> <li>• CF Ether-Euro Settlement Price</li> <li>• CF Ether-Euro Spot Rate</li> </ul>

<b>5.1</b>	13 Oct 2020	<p>Addition of:</p> <ul style="list-style-type: none"> <li>• CF Chainlink-Dollar Settlement Price</li> <li>• CF Chainlink-Dollar Spot Rate</li> </ul>
<b>5.2</b>	19 Jan 2021	<p>Suspension of Coinbase from:</p> <ul style="list-style-type: none"> <li>• CF Ripple-Dollar Settlement Price</li> <li>• CF Ripple-Dollar Spot Rate</li> <li>• CF Ripple Bitcoin Settlement Price</li> <li>• CF Ripple-Dollar Spot Rate</li> </ul>
<b>5.3</b>	28 Jan 2021	<p>Addition of:</p> <ul style="list-style-type: none"> <li>• CF OMG Network – Dollar Settlement Price</li> <li>• CF Orchid – Dollar Settlement Price</li> </ul>
<b>5.4</b>	9 Feb 2021	<p>Addition of:</p> <ul style="list-style-type: none"> <li>• CF Bitcoin-Dollar US Settlement Price</li> </ul>
<b>5.5</b>	26 Feb 2021	<p>Addition of itBit to:</p> <ul style="list-style-type: none"> <li>• CF Litecoin – Dollar Settlement Price</li> <li>• CF Litecoin – Dollar Spot Rate</li> <li>• CF Bitcoin Cash – Dollar Settlement Price</li> <li>• CF Bitcoin Cash – Dollar Spot Rate</li> </ul> <p>Addition of Bitstamp to:</p> <ul style="list-style-type: none"> <li>• CF Stellar Lumens – Dollar Settlement Price</li> <li>• CF Stellar Lumens – Dollar Spot Rate</li> </ul> <p>Addition of Gemini to:</p> <ul style="list-style-type: none"> <li>• CF PAXG – Dollar Settlement Price</li> <li>• CF PAXG – Dollar Spot Rate</li> </ul> <p>Removal of:</p> <ul style="list-style-type: none"> <li>• CF Ripple – Bitcoin Settlement Price</li> <li>• CF Ripple – Bitcoin Spot Rate</li> </ul>
<b>5.6</b>	24 May 2021	<p>Addition of:</p> <ul style="list-style-type: none"> <li>• CF Algorand-Dollar Settlement Price</li> <li>• CF Algorand-Dollar Spot Rate</li> <li>• CF Atom-Dollar Settlement Price</li> <li>• CF Atom-Dollar Spot Rate</li> <li>• CF Basic Attention Token-Dollar Settlement Price</li> <li>• CF Basic Attention Token-Dollar Spot Rate</li> <li>• CF Dai-Dollar Settlement Price</li> <li>• CF Dai-Dollar Spot Rate</li> <li>• CF Ether-Dollar US Settlement Price</li> </ul>

<b>5.7</b>	4 Aug 2021	<p>Addition of:</p> <ul style="list-style-type: none"> <li>• CF Cardano-Dollar Settlement Price</li> <li>• CF Compound-Dollar Settlement Price</li> <li>• CF Filecoin-Dollar Settlement Price</li> <li>• CF Uniswap-Dollar Settlement Price</li> <li>• CF Cardano-Dollar Spot Rate</li> <li>• CF Compound-Dollar Spot Rate</li> <li>• CF Filecoin-Dollar Spot Rate</li> <li>• CF Uniswap-Dollar Spot Rate</li> </ul>
<b>5.8</b>	9 Sept 2021	<p>Addition of Bitstamp to:</p> <ul style="list-style-type: none"> <li>• CF Chainlink-Dollar Settlement Price</li> <li>• CF OMG Network-Dollar Settlement Price</li> <li>• CF Basic Attention Token-Dollar Settlement Price</li> <li>• CF Chainlink-Dollar Spot Rate</li> <li>• CF OMG Network-Dollar Spot Rate</li> <li>• CF Basic Attention Token-Dollar Spot Rate</li> </ul>
<b>5.9</b>	8 Oct 2021	<p>Addition of:</p> <ul style="list-style-type: none"> <li>• CF Aave-Dollar Settlement Price</li> <li>• CF Dogecoin-Dollar Settlement Price</li> <li>• CF Polkadot-Dollar Settlement Price</li> <li>• CF Polygon-Dollar Settlement Price</li> <li>• CF Solana-Dollar Settlement Price</li> <li>• CF Aave-Dollar Spot Rate</li> <li>• CF Dogecoin-Dollar Spot Rate</li> <li>• CF Polkadot-Dollar Spot Rate</li> <li>• CF Polygon-Dollar Spot Rate</li> <li>• CF Solana-Dollar Spot Rate</li> </ul>
<b>6.0</b>	13 Dec 2021	<p>Addition of:</p> <ul style="list-style-type: none"> <li>• CF Maker-Dollar Settlement Price</li> <li>• CF TheGraph-Dollar Settlement Price</li> <li>• CF YearnFinance-Dollar Settlement Price</li> <li>• CF Synthetix-Dollar Settlement Price</li> <li>• CF Amp-Dollar Settlement Price</li> <li>• CF Curve-Dollar Settlement Price</li> <li>• CF Decentraland-Dollar Settlement Price</li> <li>• CF Maker-Dollar Spot Price</li> <li>• CF TheGraph-Dollar Spot Price</li> <li>• CF YearnFinance-Dollar Spot Price</li> <li>• CF Synthetix-Dollar Spot Price</li> <li>• CF Amp-Dollar Spot Price</li> <li>• CF Curve-Dollar Spot Price</li> <li>• CF Decentraland-Dollar Spot Price</li> </ul>

<b>6.1</b>	23 Mar 2022	<p>Addition of:</p> <ul style="list-style-type: none"> <li>• CF Enjin-Dollar Settlement Price</li> <li>• CF Chiliz-Dollar Settlement Price</li> <li>• CF Livepeer-Dollar Settlement Price</li> <li>• CF Sushiswap-Dollar Settlement Price</li> <li>• CF Sandbox-Dollar Settlement Price</li> <li>• CF Rarible-Dollar Settlement Price</li> <li>• CF AxiInfinity-Dollar Settlement Price</li> <li>• CF Avalanche-Dollar Settlement Price</li> <li>• CF Loopring-Dollar Settlement Price</li> <li>• CF Enjin-Dollar Spot Price</li> <li>• CF Chiliz-Dollar Spot Price</li> <li>• CF Livepeer-Dollar Spot Price</li> <li>• CF Sushiswap-Dollar Spot Price</li> <li>• CF Sandbox-Dollar Spot Price</li> <li>• CF Rarible-Dollar Spot Price</li> <li>• CF AxiInfinity-Dollar Spot Price</li> <li>• CF Avalanche-Dollar Spot Price</li> <li>• CF Loopring-Dollar Spot Price</li> </ul>
<b>6.2</b>	25 Apr 2022	<p>Cessation of:</p> <ul style="list-style-type: none"> <li>• CF Bitcoin - Dollar US Settlement Price</li> <li>• CF Ether - Dollar US Settlement Price</li> <li>• CF Cardano – Dollar Settlement Price</li> <li>• CF Cardano – Dollar Spot Rate</li> <li>• CF Algorand – Dollar Settlement Price</li> <li>• CF Algorand – Dollar Spot Rate</li> <li>• CF Cosmos – Dollar Settlement Price</li> <li>• CF Cosmos – Dollar Spot Rate</li> <li>• CF Chainlink – Dollar Settlement Price</li> <li>• CF Chainlink – Dollar Spot Rate</li> <li>• CF Solana – Dollar Settlement Price</li> <li>• CF Solana – Dollar Spot Rate</li> <li>• CF Stellar Lumens – Dollar Settlement Price</li> <li>• CF Stellar Lumens – Dollar Spot Rate</li> <li>• CF Litecoin – Dollar Settlement Price</li> <li>• CF Litecoin – Dollar Spot Rate</li> <li>• CF Bitcoin Cash – Dollar Settlement Price</li> <li>• CF Bitcoin Cash – Dollar Spot Rate</li> <li>• CF Uniswap – Dollar Settlement Price</li> <li>• CF Uniswap – Dollar Spot Rate</li> <li>• CF Polkadot – Dollar Settlement Price</li> <li>• CF Polkadot – Dollar Spot Rate</li> <li>• CF Polygon – Dollar Settlement Price</li> <li>• CF Polygon – Dollar Spot Rate</li> </ul>
<b>6.3</b>	6 Jun 2022	<p>Cessation of:</p> <ul style="list-style-type: none"> <li>• CF Bitcoin - Euro Settlement Price</li> <li>• CF Bitcoin – Euro Spot Rate</li> <li>• CF Ether – Euro Settlement Price</li> <li>• CF Ether – Euro Spot Rate</li> </ul>

<b>6.4</b>	29 Jun 2022	<p>Suspension of Bitstamp from:</p> <ul style="list-style-type: none"> <li>• CF Axie – Infinity Dollar Settlement Price</li> <li>• CF Axie – Infinity Dollar Spot Rate</li> </ul>
<b>6.5</b>	31 Oct 2022	<p>Cessation of:</p> <ul style="list-style-type: none"> <li>• CF Avalanche-Dollar Settlement Price</li> <li>• CF Avalanche -Dollar Spot Rate</li> <li>• CF Filecoin-Dollar Settlement Price</li> <li>• CF Filecoin-Dollar Spot Rate</li> <li>• CF Tezos-Dollar Settlement Price</li> <li>• CF Tezos-Dollar Spot Rate</li> </ul>
<b>6.6</b>	19 Dec 2022	<p>Cessation of:</p> <ul style="list-style-type: none"> <li>• CF Aave-Dollar Settlement Price</li> <li>• CF Aave -Dollar Spot Rate</li> <li>• CF Curve-Dollar Settlement Price</li> <li>• CF Curve-Dollar Spot Rate</li> <li>• CF Synthetix-Dollar Settlement Price</li> <li>• CF Synthetix-Dollar Spot Rate</li> </ul> <p>Addition of:</p> <ul style="list-style-type: none"> <li>• CF ApeCoin-Dollar Settlement Price</li> <li>• CF Ethereum Classic-Dollar Settlement Price</li> <li>• CF Internet Computer-Dollar Settlement Price</li> <li>• CF ApeCoin-Dollar Spot Rate</li> <li>• CF Ethereum Classic-Dollar Spot Rate</li> <li>• CF Internet Computer-Dollar Spot Rate</li> </ul>
<b>6.7</b>	30 Jan 2023	<p>Cessation of:</p> <ul style="list-style-type: none"> <li>• CF Axie – Infinity Dollar Settlement Price</li> <li>• CF Axie – Infinity Dollar Spot Rate</li> <li>• CF Chiliz-Dollar Settlement Price</li> <li>• CF Chiliz-Dollar Spot Rate</li> <li>• CF Decentraland-Dollar Settlement Price</li> <li>• CF Decentraland-Dollar Spot Rate</li> </ul>
<b>6.8</b>	23 May 2023	<p>Cessation of:</p> <ul style="list-style-type: none"> <li>• CF OMG Network-Dollar Settlement Price</li> <li>• CF OMG Network-Spot Rate</li> </ul>
<b>6.9</b>	18 Jul 2023	<p>Re-admission of Coinbase to:</p> <ul style="list-style-type: none"> <li>• CF Ripple-Dollar Settlement Price</li> <li>• CF Ripple-Dollar Spot Rate</li> </ul> <p>Update to the copyright date</p>

<b>7.0</b>	15 Sept 2023	<p>Suspension of Gemini from:</p> <ul style="list-style-type: none"> <li>• CF Enjin-Dollar Settlement Price</li> <li>• CF Enjin-Dollar Spot Rate</li> </ul> <p>Updated copyright date Updated contact details Updated “CF Cryptocurrency Index Family” to “CF Digital Asset Index Family”</p>
<b>7.1</b>	24 Oct 2023	<p>Addition of Coinbase to:</p> <ul style="list-style-type: none"> <li>• CF The Sandbox - Dollar Settlement Price</li> <li>• CF The Sandbox - Dollar Spot Rate</li> </ul> <p>Updated registered address within Notice and Disclaimer section</p>
<b>7.2</b>	13th Nov 2023	Update to logo & format
<b>7.3</b>	20 <sup>th</sup> Nov 2023	Updated logo (AKC v2)

## 2 Constituent Exchanges

Cryptocurrency trading venues<sup>1</sup> 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 Digital Asset Index Family.

Index Name	CF Dai-Dollar Settlement Price			CF Basic Attention Token-Dollar Settlement Price		
Ticker Symbol	DAIUSD_RR			BATUSD_RR		
Index Name	CF Dai-Dollar Spot Rate			CF Basic Attention Token-Dollar Spot Rate		
Ticker Symbol	DAIUSD_RTI			BATUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended	CE Name	Added	Suspended
	Bitstamp	20-May-21		Coinbase	20-May-21	
	Coinbase	20-May-21		Kraken	20-May-21	
	Kraken	20-May-21		Gemini	20-May-21	
	Gemini	20-May-21		Bitstamp	09-Sep-21	

Index Name	CF YearnFinance-Dollar Settlement Price			CF Sushiswap-Dollar Settlement Price		
Ticker Symbol	YFIUSD_RR			SUSHIUSD_RR		
Index Name	CF YearnFinance-Dollar Spot Rate			CF Sushiswap -Dollar Spot Rate		
Ticker Symbol	YFIUSD_RTI			SUSHIUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended	CE Name	Added	Suspended
	Coinbase	09-Nov-21		Coinbase	02-Feb-22	
	Kraken	09-Nov-21		Kraken	02-Feb-22	
	Gemini	09-Nov-21		Gemini	02-Feb-22	
	Bitstamp	09-Nov-21		Bitstamp	02-Feb-22	

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

Index Name	CF Ripple-Dollar Settlement Price			CF Enjin-Dollar Settlement Price		
Ticker Symbol	XRPUSD_RR			ENJUSD_RR		
Index Name	CF Ripple-Dollar Spot Rate			CF Enjin-Dollar Spot Rate		
Ticker Symbol	XRPUSD_RTI			ENJUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended	CE Name	Added	Suspended
	Bitstamp	01-Oct-17		Bitstamp	02-Feb-22	
	Kraken	01-Oct-17		Coinbase	02-Feb-22	
	Coinbase	28-Oct-19	19-Jan-21	Kraken	02-Feb-22	
		18-Jul-2023		Gemini	02-Feb-22	15-Sep-23

Index Name	CF PAX Gold-Dollar Settlement Price			CF Orchid – Dollar Settlement Price		
Ticker Symbol	PAXGUSD_RR			OXTUSD_RR		
Index Name	CF PAX Gold-Dollar Spot Rate			CF Orchid – Dollar Spot Rate		
Ticker Symbol	PAXGUSD_RTI			OXTUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended	CE Name	Added	Suspended
	itBit	25-Aug-20		Coinbase	28-Jan-21	
	Kraken	25-Aug-20		Gemini	28-Jan-21	
	Gemini	26-Feb-21		Kraken	28-Jan-21	

Index Name	CF Compound-Dollar Settlement Price			CF Dogecoin-Dollar Settlement Price		
Ticker Symbol	COMPUSD_RR			DOGEUSD_RR		
Index Name	CF Compound-Dollar Spot Rate			CF Dogecoin-Dollar Spot Rate		
Ticker Symbol	COMPUSD_RTI			DOGEUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended	CE Name	Added	Suspended
	Coinbase	04-Aug-21		Coinbase	08-Oct-21	
	Kraken	04-Aug-21		Gemini	08-Oct-21	
	Gemini	04-Aug-21		Kraken	08-Oct-21	

Index Name	CF Maker-Dollar Settlement Price			CF Sandbox-Dollar Settlement Price		
Ticker Symbol	MKRUSD_RR			SANDUSD_RR		
Index Name	CF Maker-Dollar Spot rate			CF Sandbox -Dollar Spot Rate		
Ticker Symbol	MKRUSD_RTI			SANDUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended	CE Name	Added	Suspended
	Bitstamp	09-Nov-21		Coinbase	24-Oct-23	
	Coinbase	09-Nov-21		Bitstamp	16-Feb-22	
	Kraken	09-Nov-21		Kraken	16-Feb-22	
	Gemini	09-Nov-21		Gemini	16-Feb-22	

Index Name	CF Livepeer-Dollar Settlement Price			CF TheGraph-Dollar Settlement Price		
Ticker Symbol	LPTUSD_RR			GRTUSD_RR		
Index Name	CF Livepeer-Dollar Spot Rate			CF TheGraph-Dollar Spot Rate		
Ticker Symbol	LPTUSD_RTI			GRTUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended	CE Name	Added	Suspended
	Coinbase	02-Feb-22		Coinbase	09-Nov-21	
	Kraken	02-Feb-22		Kraken	09-Nov-21	
	Gemini	02-Feb-22		Gemini	09-Nov-21	

Index Name	CF ApeCoin-Dollar Settlement Price			CF Loopring-Dollar Settlement Price		
Ticker Symbol	APEUSD_RR			LRCUSD_RR		
Index Name	CF ApeCoin-Dollar Spot Rate			CF Loopring -Dollar Spot Rate		
Ticker Symbol	APEUSD_RTI			LRCUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended	CE Name	Added	Suspended
	Coinbase	19-Dec-22		Coinbase	16-Feb-22	
	Kraken	19-Dec-22		Kraken	16-Feb-22	
	Gemini	19-Dec-22		Gemini	16-Feb-22	

<b>Index Name</b>	CF EOS-Dollar Settlement Price			CF Amp-Dollar Settlement Price		
<b>Ticker Symbol</b>	EOSUSD_RR			AMPUSD_RR		
<b>Index Name</b>	CF EOS-Dollar Spot Rate			CF Amp -Dollar Spot Rate		
<b>Ticker Symbol</b>	EOSUSD_RTI			AMPUSD_RTI		
<b>Constituent Exchanges</b>	<b>CE Name</b>	<b>Added</b>	<b>Suspended</b>	<b>CE Name</b>	<b>Added</b>	<b>Suspended</b>
	Kraken	13-May-20		Coinbase	09-Nov-21	
	Coinbase	13-May-20		Gemini	09-Nov-21	

<b>Index Name</b>	CF Rarible-Dollar Settlement Price			CF Internet Computer-Dollar Settlement Price		
<b>Ticker Symbol</b>	RARIUSD_RR			ICPUSD_RR		
<b>Index Name</b>	CF Rarible -Dollar Spot Rate			CF Internet Computer-Dollar Spot Rate		
<b>Ticker Symbol</b>	RARIUSD_RTI			ICPUSD_RTI		
<b>Constituent Exchanges</b>	<b>CE Name</b>	<b>Added</b>	<b>Suspended</b>	<b>CE Name</b>	<b>Added</b>	<b>Suspended</b>
	Coinbase	16-Feb-22		Coinbase	19-Dec-22	
	Kraken	16-Feb-22		Kraken	19-Dec-22	

<b>Index Name</b>	CF Ethereum Classic-Dollar Settlement Price		
<b>Ticker Symbol</b>	ETCUSD_RR		
<b>Index Name</b>	CF Ethereum Classic-Dollar Spot Rate		
<b>Ticker Symbol</b>	ETCUSD_RTI		
<b>Constituent Exchanges</b>	<b>CE Name</b>	<b>Added</b>	<b>Suspended</b>
	Coinbase	19-Dec-22	
	Kraken	19-Dec-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 Digital Asset Index Family. If any index users have any further questions regarding this disclosure, please contact [info@cfbenchmarks.com](mailto:info@cfbenchmarks.com).

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