



CME CF Cryptocurrency Pricing Products

Constituent Exchanges List

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

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			CME CF Ether-Dollar Reference Rate		
CME Ticker Symbol	BRR			ETHUSD_RR		
Index Name	CME CF Bitcoin Real Time Index			CME CF Ether-Dollar Real Time Index		
CME Ticker Symbol	BRTI			ETHUSD_RTI		
Constituent Exchanges	CE Name	Added	Suspended	CE Name	Added	Suspended
	Bitfinex	14-Nov-16	Apr-17	Bitstamp	14-May-18	
	Bitstamp	14-Nov-16		Kraken	14-May-18	
	Coinbase	14-Nov-16		itBit	15-July-19	
	itBit	14-Nov-16	25-Jan-19 (BRR only)	Gemini	30-Aug-19	
		01-Feb-19		Coinbase	28-Oct-19	
	Kraken	14-Nov-16				
	OKCoin.com (HK)	14-Nov-16	Apr-17			
	Gemini	30-Aug-19				

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 CME CF Cryptocurrency Pricing Products. If any index users have any further questions regarding this disclosure, please contact info@cfbenchmarks.com.

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

