

For the Commission, by the Division of Trading and Markets, pursuant to delegated authority.<sup>35</sup>

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[FR Doc. 2023–18106 Filed 8–22–23; 8:45 am]

BILLING CODE 8011–01–P

## SECURITIES AND EXCHANGE COMMISSION

[Release No. 34–98156; File No. SR–CboeBZX–2023–058]

### Self-Regulatory Organizations; Cboe BZX Exchange, Inc.; Notice of Filing of a Proposed Rule Change To List and Trade Shares of the Global X Bitcoin Trust, Under BZX Rule 14.11(e)(4), Commodity-Based Trust Shares

August 17, 2023.

Pursuant to Section 19(b)(1) of the Securities Exchange Act of 1934 (the “Act”),<sup>1</sup> and Rule 19b–4 thereunder,<sup>2</sup> notice is hereby given that on August 4, 2023, Cboe BZX Exchange, Inc. (the “Exchange” or “BZX”) filed with the Securities and Exchange Commission (the “Commission”) the proposed rule change as described in Items I, II, and III below, which Items have been prepared by the Exchange. The Commission is publishing this notice to solicit comments on the proposed rule change from interested persons.

#### I. Self-Regulatory Organization’s Statement of the Terms of Substance of the Proposed Rule Change

Cboe BZX Exchange, Inc. (“BZX” or the “Exchange”) is filing with the Securities and Exchange Commission (“Commission” or “SEC”) a proposed rule change to list and trade shares of the Global X Bitcoin Trust (the “Trust”),<sup>3</sup> under BZX Rule 14.11(e)(4), Commodity-Based Trust Shares.

The text of the proposed rule change is also available on the Exchange’s website ([http://markets.cboe.com/us/equities/regulation/rule\\_filings/bzx/](http://markets.cboe.com/us/equities/regulation/rule_filings/bzx/)), at the Exchange’s Office of the Secretary, and at the Commission’s Public Reference Room.

#### II. Self-Regulatory Organization’s Statement of the Purpose of, and Statutory Basis for, the Proposed Rule Change

In its filing with the Commission, the Exchange included statements

concerning the purpose of and basis for the proposed rule change and discussed any comments it received on the proposed rule change. The text of these statements may be examined at the places specified in Item IV below. The Exchange has prepared summaries, set forth in sections A, B, and C below, of the most significant aspects of such statements.

#### A. Self-Regulatory Organization’s Statement of the Purpose of, and Statutory Basis for, the Proposed Rule Change

##### 1. Purpose

The Exchange proposes to list and trade the Shares under BZX Rule 14.11(e)(4),<sup>4</sup> which governs the listing and trading of Commodity-Based Trust Shares on the Exchange.<sup>5</sup> Global X Digital Assets is the sponsor of the Trust (“Sponsor”). The Shares will be registered with the Commission by means of the Trust’s registration statement on Form S–1 (the “Registration Statement”).<sup>6</sup> A third-party U.S.-based trust company and qualified custodian will be responsible for custody of the Trust’s bitcoin (the “Custodian”).

As further discussed below, the Commission has historically approved or disapproved exchange filings to list and trade series of Trust Issued Receipts, including spot-based Commodity-Based Trust Shares, on the basis of whether the listing exchange has in place a comprehensive surveillance sharing agreement with a regulated market of significant size related to the underlying commodity to be held.<sup>7</sup> Prior orders from the Commission have pointed out that in every prior approval order for Commodity-Based Trust Shares, there has been a derivatives market that represents the regulated market of significant size, generally a Commodity

Futures Trading Commission (the “CFTC”) regulated futures market.<sup>8</sup>

<sup>8</sup> See *streetTRACKS Gold Shares*, Exchange Act Release No. 50603 (Oct. 28, 2004), 69 FR 64614, 64618–19 (Nov. 5, 2004) (SR–NYSE–2004–22) (the “First Gold Approval Order”); *iShares COMEX Gold Trust*, Exchange Act Release No. 51058 (Jan. 19, 2005), 70 FR 3749, 3751, 3754–55 (Jan. 26, 2005) (SR–Amex–2004–38); *iShares Silver Trust*, Exchange Act Release No. 53521 (Mar. 20, 2006), 71 FR 14967, 14968, 14973–74 (Mar. 24, 2006) (SR–Amex–2005–072); *ETFS Gold Trust*, Exchange Act Release No. 59895 (May 8, 2009), 74 FR 22993, 22994–95, 22998, 23000 (May 15, 2009) (SR–NYSEArca–2009–40); *ETFS Silver Trust*, Exchange Act Release No. 59781 (Apr. 17, 2009), 74 FR 18771, 18772, 18775–77 (Apr. 24, 2009) (SR–NYSEArca–2009–28); *ETFS Palladium Trust*, Exchange Act Release No. 61220 (Dec. 22, 2009), 74 FR 68895, 68896 (Dec. 29, 2009) (SR–NYSEArca–2009–94) (notice of proposed rule change included NYSE Arca’s representation that “[t]he most significant palladium futures exchanges are the NYMEX and the Tokyo Commodity Exchange,” that “NYMEX is the largest exchange in the world for trading precious metals futures and options,” and that NYSE Arca “may obtain trading information via the Intermarket Surveillance Group,” of which NYMEX is a member, Exchange Act Release No. 60971 (Nov. 9, 2009), 74 FR 59283, 59285–86, 59291 (Nov. 17, 2009)); *ETFS Platinum Trust*, Exchange Act Release No. 61219 (Dec. 22, 2009), 74 FR 68886, 68887–88 (Dec. 29, 2009) (SR–NYSEArca–2009–95) (notice of proposed rule change included NYSE Arca’s representation that “[t]he most significant platinum futures exchanges are the NYMEX and the Tokyo Commodity Exchange,” that “NYMEX is the largest exchange in the world for trading precious metals futures and options,” and that NYSE Arca “may obtain trading information via the Intermarket Surveillance Group,” of which NYMEX is a member, Exchange Act Release No. 60970 (Nov. 9, 2009), 74 FR 59319, 59321, 59327 (Nov. 17, 2009)); *Sprott Physical Gold Trust*, Exchange Act Release No. 61496 (Feb. 4, 2010), 75 FR 6758, 6760 (Feb. 10, 2010) (SR–NYSEArca–2009–113) (notice of proposed rule change included NYSE Arca’s representation that the COMEX is one of the “major world gold markets,” that NYSE Arca “may obtain trading information via the Intermarket Surveillance Group,” and that NYMEX, of which COMEX is a division, is a member of the Intermarket Surveillance Group, Exchange Act Release No. 61236 (Dec. 23, 2009), 75 FR 170, 171, 174 (Jan. 4, 2010)); *Sprott Physical Silver Trust*, Exchange Act Release No. 63043 (Oct. 5, 2010), 75 FR 62615, 62616, 62619, 62621 (Oct. 12, 2010) (SR–NYSEArca–2010–84); *ETFS Precious Metals Basket Trust*, Exchange Act Release No. 62692 (Aug. 11, 2010), 75 FR 50789, 50790 (Aug. 17, 2010) (SR–NYSEArca–2010–56) (notice of proposed rule change included NYSE Arca’s representation that “the most significant gold, silver, platinum and palladium futures exchanges are the COMEX and the TOCOM” and that NYSE Arca “may obtain trading information via the Intermarket Surveillance Group,” of which COMEX is a member, Exchange Act Release No. 62402 (Jun. 29, 2010), 75 FR 39292, 39295, 39298 (July 8, 2010)); *ETFS White Metals Basket Trust*, Exchange Act Release No. 62875 (Sept. 9, 2010), 75 FR 56156, 56158 (Sept. 15, 2010) (SR–NYSEArca–2010–71) (notice of proposed rule change included NYSE Arca’s representation that “the most significant silver, platinum and palladium futures exchanges are the COMEX and the TOCOM” and that NYSE Arca “may obtain trading information via the Intermarket Surveillance Group,” of which COMEX is a member, Exchange Act Release No. 62620 (July 30, 2010), 75 FR 47655, 47657, 47660 (Aug. 6, 2010)); *ETFS Asian Gold Trust*, Exchange Act Release No. 63464 (Dec. 8, 2010), 75 FR 77926, 77928 (Dec. 14, 2010) (SR–NYSEArca–2010–95) (notice of proposed rule change included NYSE

<sup>4</sup> The Commission approved BZX Rule 14.11(e)(4) in Securities Exchange Act Release No. 65225 (August 30, 2011), 76 FR 55148 (September 6, 2011) (SR–BATS–2011–018).

<sup>5</sup> All statements and representations made in this filing regarding (a) the description of the portfolio, (b) limitations on portfolio holdings or reference assets, or (c) the applicability of Exchange rules and surveillance procedures shall constitute continued listing requirements for listing the Shares on the Exchange.

<sup>6</sup> See Form S–1 Registration Statement submitted to the Commission on July 21, 2021. The Registration Statement is not yet effective and the Shares will not trade on the Exchange until such time that the Registration Statement is effective.

<sup>7</sup> See Securities Exchange Act Release No. 83723 (July 26, 2018), 83 FR 37579 (August 1, 2018). This proposal was subsequently disapproved by the Commission. See Securities Exchange Act Release No. 83723 (July 26, 2018), 83 FR 37579 (August 1, 2018) (the “Winklevoss Order”).

<sup>35</sup> 17 CFR 200.30–3(a)(12).

<sup>1</sup> 15 U.S.C. 78s(b)(1).

<sup>2</sup> 17 CFR 240.19b–4.

<sup>3</sup> The Trust was formed as a Delaware statutory trust on July 13, 2021 and is operated as a grantor trust for U.S. federal tax purposes. The Trust has no fixed termination date.

Further to this point, the Commission's prior orders have noted that the spot commodities and currency markets for which it has previously approved spot ETPs are generally unregulated and that

Arca's representation that "the most significant gold futures exchanges are the COMEX and the Tokyo Commodity Exchange," that "COMEX is the largest exchange in the world for trading precious metals futures and options," and that NYSE Arca "may obtain trading information via the Intermarket Surveillance Group," of which COMEX is a member, Exchange Act Release No. 63267 (Nov. 8, 2010), 75 FR 69494, 69496, 69500-01 (Nov. 12, 2010); Sprott Physical Platinum and Palladium Trust, Exchange Act Release No. 68430 (Dec. 13, 2012), 77 FR 75239, 75240-41 (Dec. 19, 2012) (SR-NYSEArca-2012-111) (notice of proposed rule change included NYSE Arca's representation that "[f]utures on platinum and palladium are traded on two major exchanges: The New York Mercantile Exchange . . . and Tokyo Commodities Exchange" and that NYSE Arca "may obtain trading information via the Intermarket Surveillance Group," of which COMEX is a member, Exchange Act Release No. 68101 (Oct. 24, 2012), 77 FR 65732, 65733, 65739 (Oct. 30, 2012); APME Physical—1 oz. Gold Redeemable Trust, Exchange Act Release No. 66930 (May 7, 2012), 77 FR 27817, 27818 (May 11, 2012) (SR-NYSEArca-2012-18) (notice of proposed rule change included NYSE Arca's representation that NYSE Arca "may obtain trading information via the Intermarket Surveillance Group," of which COMEX is a member, and that gold futures are traded on COMEX and the Tokyo Commodity Exchange, with a cross-reference to the proposed rule change to list and trade shares of the ETFs Gold Trust, in which NYSE Arca represented that COMEX is one of the "major world gold markets," Exchange Act Release No. 66627 (Mar. 20, 2012), 77 FR 17539, 17542-43, 17547 (Mar. 26, 2012); JPM XF Physical Copper Trust, Exchange Act Release No. 68440 (Dec. 14, 2012), 77 FR 75468, 75469-70, 75472, 75485-86 (Dec. 20, 2012) (SR-NYSEArca-2012-28); iShares Copper Trust, Exchange Act Release No. 68973 (Feb. 22, 2013), 78 FR 13726, 13727, 13729-30, 13739-40 (Feb. 28, 2013) (SR-NYSEArca-2012-66); First Trust Gold Trust, Exchange Act Release No. 70195 (Aug. 14, 2013), 78 FR 51239, 51240 (Aug. 20, 2013) (SR-NYSEArca-2013-61) (notice of proposed rule change included NYSE Arca's representation that FINRA, on behalf of the exchange, may obtain trading information regarding gold futures and options on gold futures from members of the Intermarket Surveillance Group, including COMEX, or from markets "with which [NYSE Arca] has in place a comprehensive surveillance sharing agreement," and that gold futures are traded on COMEX and the Tokyo Commodity Exchange, with a cross-reference to the proposed rule change to list and trade shares of the ETFs Gold Trust, in which NYSE Arca represented that COMEX is one of the "major world gold markets," Exchange Act Release No. 69847 (June 25, 2013), 78 FR 39399, 39400, 39405 (July 1, 2013); Merk Gold Trust, Exchange Act Release No. 71378 (Jan. 23, 2014), 79 FR 4786, 4786-87 (Jan. 29, 2014) (SR-NYSEArca-2013-137) (notice of proposed rule change included NYSE Arca's representation that "COMEX is the largest gold futures and options exchange" and that NYSE Arca "may obtain trading information via the Intermarket Surveillance Group," including with respect to transactions occurring on COMEX pursuant to CME and NYMEX's membership, or from exchanges "with which [NYSE Arca] has in place a comprehensive surveillance sharing agreement," Exchange Act Release No. 71038 (Dec. 11, 2013), 78 FR 76367, 76369, 76374 (Dec. 17, 2013); Long Dollar Gold Trust, Exchange Act Release No. 79518 (Dec. 9, 2016), 81 FR 90876, 90881, 90886, 90888 (Dec. 15, 2016) (SR-NYSEArca-2016-84).

the Commission relied on the underlying futures market as the regulated market of significant size that formed the basis for approving the series of Currency and Commodity-Based Trust Shares, including gold, silver, platinum, palladium, copper, and other commodities and currencies. The Commission specifically noted in the Winklevoss Order that the First Gold Approval Order "was based on an assumption that the currency market and the spot gold market were largely unregulated."<sup>9</sup>

As such, the regulated market of significant size test does not require that the spot bitcoin market be regulated in order for the Commission to approve this proposal, and precedent makes clear that a regulated underlying market for a spot commodity or currency would be an exception to the norm. These largely unregulated currency and commodity markets do not provide the same protections as the markets that are subject to the Commission's oversight, but the Commission has consistently looked to surveillance sharing agreements with the relevant underlying futures market to determine whether such products were consistent with the Act. With this in mind, the CME Bitcoin Futures market is the appropriate market to consider in determining whether there is a related regulated market of significant size.

Further to this point, the Exchange notes that the Commission has approved proposals related to the listing and trading of funds that would primarily hold CME Bitcoin Futures that are registered under the Securities Act of 1933.<sup>10</sup> In the Teucrium Approval, the Commission found the CME Bitcoin Futures market to be a regulated market of significant size as it relates to CME Bitcoin Futures, an odd tautological truth that is also inconsistent with prior disapproval orders for ETPs that would hold actual bitcoin instead of derivatives contracts ("Spot Bitcoin ETPs") that use the exact same pricing methodology as the CME Bitcoin Futures. As further discussed below, both the Exchange and the Sponsor believe that this proposal and the included analysis are sufficient to establish that the CME Bitcoin Futures market represents a regulated market of significant size as it relates both to the CME Bitcoin Futures market and to the

spot bitcoin market and that this proposal should be approved.

Finally, as discussed in greater detail below, by using professional custodians and other service providers, the Trust provides investors interested in exposure to bitcoin with important protections that are not always available to investors that invest directly in bitcoin, including protection against insolvency, cyber attacks, and other risks. If U.S. investors had access to vehicles such as the Trust for their bitcoin investments, instead of directing their bitcoin investments into loosely regulated offshore vehicles (such as loosely regulated centralized exchanges that have since faced bankruptcy proceedings or other insolvencies), then countless investors would have had the option to better protect their principal investments in bitcoin from the aforementioned events and risks.

#### Background

Bitcoin is a digital asset based on the decentralized, open source protocol of the peer-to-peer computer network launched in 2009 that governs the creation, movement, and ownership of bitcoin and hosts the public ledger, or "blockchain," on which all bitcoin transactions are recorded (the "Bitcoin Network" or "Bitcoin"). The decentralized nature of the Bitcoin Network allows parties to transact directly with one another based on cryptographic proof instead of relying on a trusted third party. The protocol also lays out the rate of issuance of new bitcoin within the Bitcoin Network, a rate that is reduced by half approximately every four years with an eventual hard cap of 21 million. It's generally understood that the combination of these two features—a systemic hard cap of 21 million bitcoin and the ability to transact trustlessly with anyone connected to the Bitcoin Network—gives bitcoin its value. The first rule filing proposing to list an exchange-traded product to provide exposure to bitcoin in the U.S. was submitted by the Exchange on June 30, 2016.<sup>11</sup> At that time, blockchain technology, and digital assets that utilized it, were relatively new to the broader public. The market cap of all bitcoin in existence at that time was approximately \$10 billion. No registered offering of digital asset securities or shares in an investment vehicle with exposure to bitcoin or any other cryptocurrency had yet been conducted, and the regulated infrastructure for conducting a digital asset securities

<sup>9</sup> See Winklevoss Order at 37592.

<sup>10</sup> See Exchange Act Release Nos. 94620 (April 6, 2022), 87 FR 21676 (April 12, 2022) (the "Teucrium Approval") and 94853 (May 5, 2022) (collectively, with the Teucrium Approval, the "Bitcoin Futures Approvals").

<sup>11</sup> See Winklevoss Order.

offering had not begun to develop.<sup>12</sup> Similarly, regulated U.S. bitcoin futures contracts did not exist. The CFTC had determined that bitcoin is a commodity,<sup>13</sup> but had not engaged in significant enforcement actions in the space. The New York Department of Financial Services (“NYDFS”) adopted its final BitLicense regulatory framework in 2015, but had only approved four entities to engage in activities relating to virtual currencies (whether through granting a BitLicense or a limited-purpose trust charter) as of June 30, 2016.<sup>14</sup> While the first over-the-counter bitcoin fund launched in 2013, public trading was limited and the fund had only \$60 million in assets.<sup>15</sup> There were very few, if any, traditional financial institutions engaged in the space, whether through investment or providing services to digital asset companies. In January 2018, the Staff of the Commission noted in a letter to the Investment Company Institute and SIFMA that it was not aware, at that time, of a single custodian providing fund custodial services for digital assets.<sup>16</sup> Fast forward to today and the digital assets financial ecosystem, including bitcoin, has progressed significantly. The development of a regulated market for digital asset securities has significantly evolved,

with market participants having conducted registered public offerings of both digital asset securities<sup>17</sup> and shares in investment vehicles holding bitcoin futures.<sup>18</sup> Additionally, licensed and regulated service providers have emerged to provide fund custodial services for digital assets, among other services, including the Custodian. For example, in February 2023, the Commission proposed to amend Rule 206(4)–2 under the Advisers Act of 1940 (the “custody rule”) to expand the scope beyond client funds and securities to include all crypto assets, among other assets;<sup>19</sup> in May 2021, the Staff of the Commission released a statement permitting open-end mutual funds to invest in cash-settled bitcoin futures; in December 2020, the Commission adopted a conditional no-action position permitting certain special purpose broker-dealers to custody digital asset securities under Rule 15c3–3 under the Exchange Act (the “Custody Statement”);<sup>20</sup> in September 2020, the Staff of the Commission released a no-action letter permitting certain broker-dealers to operate a non-custodial Alternative Trading System (“ATS”) for digital asset securities, subject to specified conditions;<sup>21</sup> in October 2019, the Staff of the Commission granted temporary relief from the clearing agency registration requirement to an entity seeking to establish a securities clearance and settlement system based on distributed ledger technology,<sup>22</sup> and

multiple transfer agents who provide services for digital asset securities registered with the Commission.<sup>23</sup>

Outside the Commission’s purview, the regulatory landscape has changed significantly since 2016, and cryptocurrency markets have grown and evolved as well. The market for bitcoin is approximately 100 times larger, having at one point reached a market cap of over \$1 trillion.<sup>24</sup> According to the CME Bitcoin Futures Report, from February 13, 2023 through March 27, 2023, CFTC regulated bitcoin futures represented between \$750 million and \$3.2 billion in notional trading volume on Chicago Mercantile Exchange (“CME”) (“Bitcoin Futures”) on a daily basis.<sup>25</sup> Open interest was over \$1.4 billion for the entirety of the period and at one point was over \$2 billion. ETPs that primarily hold CME Bitcoin Futures have raised over \$1 billion dollars in assets. The CFTC has exercised its regulatory jurisdiction in bringing a number of enforcement actions related to bitcoin and against trading platforms that offer cryptocurrency trading.<sup>26</sup> As of February 14, 2023 the NYDFS has granted no fewer than thirty-four BitLicenses,<sup>27</sup> including to established public payment companies like PayPal Holdings, Inc. and Square, Inc., and limited purpose trust charters to entities providing cryptocurrency custody services. In addition, the Treasury’s Office of Foreign Assets Control (“OFAC”) has brought enforcement actions over apparent violations of the sanctions laws in connection with the

<sup>12</sup> Digital assets that are securities under U.S. law are referred to throughout this proposal as “digital asset securities.” All other digital assets, including bitcoin, are referred to interchangeably as “cryptocurrencies” or “virtual currencies.” The term “digital assets” refers to all digital assets, including both digital asset securities and cryptocurrencies, together.

<sup>13</sup> See “In the Matter of Coinflip, Inc.” (“Coinflip”) (CFTC Docket 15–29 (September 17, 2015)) (order instituting proceedings pursuant to Sections 6(c) and 6(d) of the CEA, making findings and imposing remedial sanctions), in which the CFTC stated: “Section 1a(9) of the CEA defines ‘commodity’ to include, among other things, ‘all services, rights, and interests in which contracts for future delivery are presently or in the future dealt in.’ 7 U.S.C. § 1a(9). The definition of a ‘commodity’ is broad. See, e.g., *Board of Trade of City of Chicago v. SEC*, 677 F. 2d 1137, 1142 (7th Cir. 1982). Bitcoin and other virtual currencies are encompassed in the definition and properly defined as commodities.”

<sup>14</sup> A list of virtual currency businesses that are entities regulated by the NYDFS is available on the NYDFS website. See [https://www.dfs.ny.gov/apps\\_and\\_licensing/virtual\\_currency\\_businesses/regulated\\_entities](https://www.dfs.ny.gov/apps_and_licensing/virtual_currency_businesses/regulated_entities).

<sup>15</sup> Data as of March 31, 2016 according to publicly available filings. See Bitcoin Investment Trust Form S–1, dated May 27, 2016, available at <https://www.sec.gov/Archives/edgar/data/1588489/000095012316017801/15884891.htm>.

<sup>16</sup> See letter from Dalia Blass, Director, Division of Investment Management, U.S. Securities and Exchange Commission to Paul Schott Stevens, President & CEO, Investment Company Institute and Timothy W. Cameron, Asset Management Group—Head, Securities Industry and Financial Markets Association (January 18, 2018), available at <https://www.sec.gov/divisions/investment/noaction/2018/cryptocurrency-011818.htm>.

<sup>17</sup> See Prospectus supplement filed pursuant to Rule 424(b)(1) for INX Tokens (Registration No. 333–233363), available at [https://www.sec.gov/Archives/edgar/data/1725882/000121390020023202/ea125858-424b1\\_inxlimited.htm](https://www.sec.gov/Archives/edgar/data/1725882/000121390020023202/ea125858-424b1_inxlimited.htm).

<sup>18</sup> See Prospectus filed by Stone Ridge Trust VI on behalf of NYDIG Bitcoin Strategy Fund Registration, available at <https://www.sec.gov/Archives/edgar/data/1764894/000119312519309942/d693146d497.htm>.

<sup>19</sup> See Investment Advisers Act Release No. 6240 88 FR 14672 (March 9, 2023) (Safeguarding Advisory Client Assets).

<sup>20</sup> See Securities Exchange Act Release No. 90788, 86 FR 11627 (February 26, 2021) (File Number S7–25–20) (Custody of Digital Asset Securities by Special Purpose Broker-Dealers).

<sup>21</sup> See letter from Elizabeth Baird, Deputy Director, Division of Trading and Markets, U.S. Securities and Exchange Commission to Kris Dailey, Vice President, Risk Oversight & Operational Regulation, Financial Industry Regulatory Authority (September 25, 2020), available at <https://www.sec.gov/divisions/marketreg/mr-noaction/2020/finra-ats-role-in-settlement-of-digital-asset-security-trades-09252020.pdf>.

<sup>22</sup> See letter from Jeffrey S. Mooney, Associate Director, Division of Trading and Markets, U.S. Securities and Exchange Commission to Charles G. Cascarilla & Daniel M. Burstein, Paxos Trust Company, LLC (October 28, 2019), available at <https://www.sec.gov/divisions/marketreg/mr-noaction/2019/paxos-trust-company-102819-17a.pdf>.

<sup>23</sup> See, e.g., Form TA–1/A filed by Tokensoft Transfer Agent LLC (CIK: 0001794142) on January 8, 2021, available at [https://www.sec.gov/Archives/edgar/data/1794142/000179414219000001/xslFTA1X01/primary\\_doc.xml](https://www.sec.gov/Archives/edgar/data/1794142/000179414219000001/xslFTA1X01/primary_doc.xml).

<sup>24</sup> As of December 1, 2021, the total market cap of all bitcoin in circulation was approximately \$1.08 trillion.

<sup>25</sup> Data sourced from the CME Bitcoin Futures Report: 30 March, 2023, available at <https://www.cmegroup.com/markets/cryptocurrencies/bitcoin/bitcoin.volume.htm>.

<sup>26</sup> The CFTC’s annual report for Fiscal Year 2022 (which ended on September 30, 2022) noted that the CFTC completed the fiscal year with 18 enforcement filings related to digital assets. “Digital asset actions included manipulation, a \$1.7 billion fraudulent scheme, and a decentralized autonomous organization (DAO) failing to register as a SEF or FCM or to seek DCM designation.” See CFTC FY 2022 Agency Financial Report, available at <https://www.cftc.gov/media/7941/2022afr/download>. Additionally, the CFTC filed on March 27, 2023, a civil enforcement action against the owner/operators of the Binance centralized digital asset trading platform, which is one of the largest bitcoin derivative exchanges. See CFTC Release No. 8680–23 (March 27, 2023), available at <https://www.cftc.gov/PressRoom/PressReleases/8680-23>.

<sup>27</sup> See [https://www.dfs.ny.gov/virtual\\_currency\\_businesses](https://www.dfs.ny.gov/virtual_currency_businesses).

provision of wallet management services for digital assets.<sup>28</sup>

In addition to the regulatory developments laid out above, more traditional financial market participants become more active in cryptocurrency: large insurance companies, asset managers, university endowments, pension funds, and even historically bitcoin skeptical fund managers have allocated to bitcoin. As noted in the Financial Stability Oversight Council ("FSOC") Report on Digital Asset Financial Stability Risks and Regulation, "[i]ndustry surveys suggest that the scale of these investments grew quickly during the boom in crypto-asset markets through late 2021. In June 2022, PwC estimated that the number of crypto-specialist hedge funds was more than 300 globally, with \$4.1 billion in assets under management. In addition, in a survey PwC found that 38 percent of surveyed traditional hedge funds were currently investing in 'digital assets,' compared to 21 percent the year prior."<sup>29</sup> The largest over-the-counter bitcoin fund previously filed a Form 10 registration statement, which the Staff of the Commission reviewed and which took effect automatically, and is now a reporting company.<sup>30</sup> Established companies like Tesla, Inc., MicroStrategy Incorporated, and Square, Inc., among others, have announced substantial investments in bitcoin in amounts as large as \$1.5 billion (Tesla) and \$425 million (MicroStrategy). The foregoing examples demonstrate that bitcoin has gained mainstream usage and recognition.

Despite these developments, access for U.S. retail investors to gain exposure

to bitcoin via a transparent and U.S. regulated, U.S. exchange-traded vehicle remains limited. Instead current options include: (i) facing the counter-party risk, legal uncertainty, technical risk, and complexity associated with accessing spot bitcoin; (ii) over-the-counter bitcoin funds ("OTC Bitcoin Funds") with high management fees and potentially volatile premiums and discounts;<sup>31</sup> (iii) purchasing shares of operating companies that they believe will provide proxy exposure to bitcoin with limited disclosure about the associated risks;<sup>32</sup> or (iv) purchasing Bitcoin Futures ETFs, as defined below, which represent a sub-optimal structure for long-term investors that will cost them significant amounts of money every year compared to Spot Bitcoin ETPs, as further discussed below. Meanwhile, investors in many other countries, including Canada and Brazil, are able to use more traditional

<sup>31</sup> The premium and discount for OTC Bitcoin Funds is known to move rapidly. For example, over the period of 12/21/20 to 1/21/21, the premium for the largest OTC Bitcoin Fund went from 40.18% to 2.79%. While the price of bitcoin appreciated significantly during this period and NAV per share increased by 41.25%, the price per share increased by only 3.58%. This means that investors are buying shares of a fund that experiences significant volatility in its premium and discount outside of the fluctuations in price of the underlying asset. Even operating within the normal premium and discount range, it's possible for an investor to buy shares of an OTC Bitcoin Fund only to have those shares quickly lose 10% or more in dollar value excluding any movement of the price of bitcoin. That is to say—the price of bitcoin could have stayed exactly the same from market close on one day to market open the next, yet the value of the shares held by the investor decreased only because of the fluctuation of the premium. As more investment vehicles, including mutual funds and ETFs, seek to gain exposure to bitcoin, the easiest option for a buy and hold strategy for such vehicles is often an OTC Bitcoin Fund, meaning that even investors that do not directly buy OTC Bitcoin Funds can be disadvantaged by extreme premiums (or discounts) and premium volatility.

<sup>32</sup> A number of operating companies engaged in unrelated businesses—such as Tesla (a car manufacturer) and MicroStrategy (an enterprise software company)—have announced investments as large as \$5.3 billion in bitcoin. Without access to bitcoin exchange-traded products, retail investors seeking investment exposure to bitcoin may end up purchasing shares in these companies in order to gain the exposure to bitcoin that they seek. In fact, mainstream financial news networks have written a number of articles providing investors with guidance for obtaining bitcoin exposure through publicly traded companies (such as MicroStrategy, Tesla, and bitcoin mining companies, among others) instead of dealing with the complications associated with buying spot bitcoin in the absence of a bitcoin ETP. See e.g., "7 public companies with exposure to bitcoin" (February 8, 2021) available at: <https://finance.yahoo.com/news/7-public-companies-with-exposure-to-bitcoin-154201525.html>; and "Want to get in the crypto trade without holding bitcoin yourself? Here are some investing ideas" (February 19, 2021) available at: <https://www.cnbc.com/2021/02/19/ways-to-invest-in-bitcoin-without-holding-the-cryptocurrency-yourself-.html>.

exchange listed and traded products (including exchange-traded funds holding physical bitcoin) to gain exposure to bitcoin. Similarly, investors in Switzerland and across Europe have access to Exchange Traded Products which trade on regulated exchanges and provide exposure to a broad array of spot crypto assets. U.S. investors, by contrast, are left with fewer and more risky means of getting bitcoin exposure, as described above.<sup>33</sup>

To this point, the lack of a Spot Bitcoin ETP exposes U.S. investor assets to significant risk because investors that would otherwise seek cryptoasset exposure through a Spot Bitcoin ETP are forced to find exposure through generally riskier alternatives. For instance, many U.S. investors that held their digital assets in accounts at FTX,<sup>34</sup> Celsius Network LLC,<sup>35</sup> BlockFi Inc.,<sup>36</sup> and Voyager Digital Holdings, Inc.<sup>37</sup> have become unsecured creditors in the insolvencies of those entities. If a Spot Bitcoin ETP was available, it is likely that at least a portion of the billions of dollars tied up in those proceedings would still reside in the brokerage accounts of U.S. investors, having instead been invested in a transparent, regulated, and well-understood structure—a Spot Bitcoin ETP. For this reason alone, the approval of a Spot Bitcoin ETP would represent a major win for the protection of U.S. investors in the cryptoasset space. As further described below, the Trust, like all other series of Commodity-Based Trust Shares, is designed to protect investors against the risk of losses through fraud and insolvency that arise by holding digital assets, including bitcoin, on centralized platforms.

Additionally, investors in other countries, specifically Canada, generally pay lower fees than U.S. retail investors that invest in OTC Bitcoin Funds due to the fee pressure that results from increased competition among available bitcoin investment options. Without an approved and regulated Spot Bitcoin ETP in the U.S., U.S. investors could seek to purchase shares of non-U.S. bitcoin vehicles to get access to bitcoin exposure. Given the separate regulatory regime, potentially adverse foreign and U.S. tax implications, and the

<sup>28</sup> See U.S. Department of the Treasury Enforcement Release: "OFAC Enters Into \$98,830 Settlement with BitGo, Inc. for Apparent Violations of Multiple Sanctions Programs Related to Digital Currency Transactions" (December 30, 2020) available at [https://home.treasury.gov/system/files/126/20201230\\_bitgo.pdf](https://home.treasury.gov/system/files/126/20201230_bitgo.pdf) See also U.S. Department of the Treasury Enforcement Release: "Treasury Announces Two Enforcement Actions for over \$24M and \$29M Against Virtual Currency Exchange, Bittrex, Inc." (October 11, 2022) available at <https://home.treasury.gov/news/press-releases/jy1006>. See also U.S. Department of Treasury Enforcement Release "OFAC Settles with Virtual Currency Exchange Kraken for \$362,158.70 Related to Apparent Violations of the Iranian Transactions and Sanctions Regulations" (November 28, 2022) available at [https://home.treasury.gov/system/files/126/20221128\\_kraken.pdf](https://home.treasury.gov/system/files/126/20221128_kraken.pdf).

<sup>29</sup> See the FSOC "Report on Digital Asset Financial Stability Risks and Regulation 2022" (October 3, 2022) (at footnote 26) at <https://home.treasury.gov/system/files/261/FSOC-Digital-Assets-Report-2022.pdf>.

<sup>30</sup> See Letter from Division of Corporation Finance, Office of Real Estate Construction to Barry E. Silbert, Chief Executive Officer, Grayscale Bitcoin Trust (January 31, 2020) <https://www.sec.gov/Archives/edgar/data/1588489/00000000020000953/filefilename1.pdf>.

<sup>33</sup> The Exchange notes that the list of countries above is not exhaustive and that securities regulators in a number of additional countries have either approved or otherwise allowed the listing and trading of Spot Bitcoin ETPs.

<sup>34</sup> See FTX Trading Ltd., et al., Case No. 22–11068.

<sup>35</sup> See Celsius Network LLC, et al., Case No. 22–10964.

<sup>36</sup> See BlockFi Inc., Case No. 22–19361.

<sup>37</sup> See Voyager Digital Holdings, Inc., et al., Case No. 22–10943.

difficulties associated with any international legal proceeding, including litigation, such an arrangement would create more risk exposure and a diminished investment opportunity for U.S. investors than they would otherwise have with a U.S. exchange-listed ETP. In addition to the benefits to U.S. investors articulated throughout this proposal, approving this proposal (and others like it) would provide U.S. ETFs and mutual funds with an additional U.S.-listed and regulated product through which to obtain exposure to bitcoin thereby lessening the need to seek such exposure through investments in either flawed products or, to the limited extent currently permitted by Commission Staff (*i.e.*, 10% to 15% of a fund's assets), products listed and primarily regulated in other countries. Such an approval would also give rise to increased competition among the limited product range available in the U.S. benefitting both ETFs and mutual funds, including those seeking only minimal exposure to bitcoin for its non-correlative investment performance, and individual investors.

#### Bitcoin Futures ETFs

The Exchange and Sponsor applaud the Commission for allowing the launch of ETFs registered under the Investment Company Act of 1940, as amended (the "1940 Act") and the Bitcoin Futures Approvals that provide exposure to bitcoin primarily through CME Bitcoin Futures ("Bitcoin Futures ETFs"). Allowing such products to list and trade is a productive first step in providing U.S. investors and traders with transparent, exchange-listed tools for expressing a view on bitcoin. The Bitcoin Futures Approvals, however, have created a logical inconsistency in the application of the standard the Commission applies when considering bitcoin ETP proposals.

As discussed further below, the standard applicable to bitcoin ETPs is whether the listing exchange has in place a comprehensive surveillance sharing agreement with a regulated market of significant size in the underlying asset. Previous disapproval orders have made clear that a market that constitutes a regulated market of significant size is generally a futures and/or options market based on the underlying reference asset rather than the spot commodity markets, which are often unregulated.<sup>38</sup> Leaving aside the

<sup>38</sup> See Winklevoss Order at 37593, specifically footnote 202, which includes the language from numerous approval orders for which the underlying futures markets formed the basis for approving

analysis of that standard until later in this proposal,<sup>39</sup> the Exchange believes that the following rationale the Commission applied to a Bitcoin Futures ETF should result in the Commission approving this and other Spot Bitcoin ETP proposals:

The CME "comprehensively surveils futures market conditions and price movements on a real-time and ongoing basis in order to detect and prevent price distortions, including price distortions caused by manipulative efforts." Thus the CME's surveillance can reasonably be relied upon to capture the effects on the CME bitcoin futures market caused by a person attempting to manipulate the proposed futures ETP by manipulating the price of CME bitcoin futures contracts, whether that attempt is made by directly trading on the CME bitcoin futures market or indirectly by trading outside of the CME bitcoin futures market. As such, when the CME shares its surveillance information with Arca, the information would assist in detecting and deterring fraudulent or manipulative misconduct related to the non-cash assets held by the proposed ETP.<sup>40</sup>

CME Bitcoin Futures pricing is based on pricing from spot bitcoin markets. The statement from the Teucrium Approval that "CME's surveillance can reasonably be relied upon to capture the effects on the CME bitcoin futures market caused by a person attempting to manipulate the proposed futures ETP by manipulating the price of CME bitcoin futures contracts . . . indirectly by trading outside of the CME bitcoin futures market," makes clear that the Commission believes that CME's surveillance can capture the effects of trading on the relevant spot markets on the pricing of CME Bitcoin Futures. This was further acknowledged in the

series of ETPs that hold physical metals, including gold, silver, palladium, platinum, and precious metals more broadly; and 37600, specifically where the Commission provides that "when the spot market is unregulated—the requirement of preventing fraudulent and manipulative acts may possibly be satisfied by showing that the ETP listing market has entered into a surveillance-sharing agreement with a regulated market of significant size in derivatives related to the underlying asset." As noted above, the Exchange believes that these citations are particularly helpful in making clear that the spot market for a spot commodity ETP need not be "regulated" in order for a spot commodity ETP to be approved by the Commission, and in fact that it's been the common historical practice of the Commission to rely on such derivatives markets as the regulated market of significant size because such spot commodities markets are largely unregulated.

<sup>39</sup> As further outlined below, both the Exchange and the Sponsor believe that the Bitcoin Futures market represents a regulated market of significant size and that this proposal and others like it should be approved on this basis.

<sup>40</sup> See Teucrium Approval at 21679.

"Grayscale lawsuit"<sup>41</sup> when Judge Rao stated ". . . the Commission in the Teucrium order recognizes that the futures prices are influenced by the spot prices, and the Commission concludes in approving futures ETPs that any fraud on the spot market can be adequately addressed by the fact that the futures market is a regulated one . . ." The Exchange agrees with the Commission on this point.

Further to this point, a Bitcoin Futures ETF is potentially more susceptible to potential manipulation than a Spot Bitcoin ETP that offers only in-kind creation and redemption because settlement of CME Bitcoin Futures (and thus the value of the underlying holdings of a Bitcoin Futures ETF) occurs at a single price derived from spot bitcoin pricing, while shares of a Spot Bitcoin ETP would represent interest in bitcoin directly and authorized participants for a Spot Bitcoin ETP (as proposed herein) would be able to source bitcoin from any exchange and create or redeem with the applicable trust regardless of the price of the underlying index. It is not logically possible to conclude that the CME Bitcoin Futures market represents a significant market for a futures-based product, but also conclude that the CME Bitcoin Futures market does not represent a significant market for a spot-based product.

In addition to potentially being more susceptible to manipulation than a Spot Bitcoin ETP, the structure of Bitcoin Futures ETFs provides negative outcomes for buy and hold investors as compared to a Spot Bitcoin ETP.<sup>42</sup> Specifically, the cost of rolling CME Bitcoin Futures contracts cause the Bitcoin Futures ETFs to lag the performance of bitcoin and cost U.S. investors significantly more on an annual basis than the cost of a comparable investment in a Spot Bitcoin ETP. Spot Bitcoin ETPs hold bitcoin and therefore, do not incur rolling costs. Further, Bitcoin Futures ETFs could potentially hit CME position limits, which would force a Bitcoin Futures ETF to halt its investments in Bitcoin Futures and seek other instruments that would provide

<sup>41</sup> Grayscale Investments, LLC v. Securities and Exchange Commission, *et al.*, Case No. 22–1142.

<sup>42</sup> See *e.g.*, "Bitcoin ETF's Success Could Come at Fundholders' Expense," Wall Street Journal (October 24, 2021), available at <https://www.wsj.com/articles/bitcoin-etfs-success-could-come-at-fundholders-expense-11635080580>; "Physical Bitcoin ETF Prospects Accelerate," *ETF.com* (October 25, 2021), available at: [https://www.etf.com/sections/blog/physical-bitcoin-etf-prospects-shine?nopaging=1&\\_cf\\_chl\\_jschl\\_tk\\_\\_=pmd\\_JsK.fjXz9eAQW9z0l0qpzhXDrlpIVdoCl\\_oLXbLjl44-1635476946-0-gqNtZGzNAPCjcnBszQql](https://www.etf.com/sections/blog/physical-bitcoin-etf-prospects-shine?nopaging=1&_cf_chl_jschl_tk__=pmd_JsK.fjXz9eAQW9z0l0qpzhXDrlpIVdoCl_oLXbLjl44-1635476946-0-gqNtZGzNAPCjcnBszQql).

exposure to bitcoin of which there are few options as discussed previously. Such an event could not only cause investor confusion as to the Bitcoin Futures ETF's investment strategy, but also prevent the Bitcoin Futures ETF from achieving its investment objective (e.g., capital appreciation through exposure to CME Bitcoin Futures), not to mention completely changing its risk profile. While Bitcoin Futures ETFs represent a useful trading tool, they are clearly a sub-optimal structure for U.S. investors seeking long-term exposure to bitcoin that will unnecessarily cost U.S. investors significantly more every year when compared to the cost of investing in Spot Bitcoin ETPs. The Exchange believes any proposal to list and trade a Spot Bitcoin ETP should be reviewed by the Commission with this important investor protection context in mind, as well as the benefit of encouraging increased competition among market participants in this space.

Based on the foregoing, the Exchange and Sponsor believe that any objective review of the proposals to list Spot Bitcoin ETPs compared to the Bitcoin Futures ETFs and the Bitcoin Futures Approvals would lead to the conclusion that Spot Bitcoin ETPs should be available to U.S. investors and, as such, this proposal and other comparable proposals to list and trade Spot Bitcoin

ETPs should be approved by the Commission. Stated simply, U.S. investors will continue to lose significant amounts of money from holding Bitcoin Futures ETFs as compared to Spot Bitcoin ETPs, losses which could be prevented by the Commission approving Spot Bitcoin ETPs. Additionally, any concerns related to preventing fraudulent and manipulative acts and practices related to Spot Bitcoin ETPs would apply equally to the spot markets underlying the futures contracts held by a Bitcoin Futures ETF. Both the Exchange and Sponsor believe that the CME Bitcoin Futures market is a regulated market of significant size and that such manipulation concerns are mitigated, as described extensively below. After allowing and approving the listing and trading of Bitcoin Futures ETFs that hold primarily CME Bitcoin Futures, however, the only consistent outcome would be approving Spot Bitcoin ETPs on the basis that the CME Bitcoin Futures market is a regulated market of significant size.

Given the current landscape, approving this proposal (and others like it) and allowing Spot Bitcoin ETPs to be listed and traded alongside Bitcoin Futures ETFs would establish a consistent regulatory approach, provide U.S. investors with choice in product

structures for bitcoin exposure, and offer flexibility in the means of gaining exposure to bitcoin through transparent, regulated, U.S. exchange-listed vehicles.

#### Bitcoin Futures

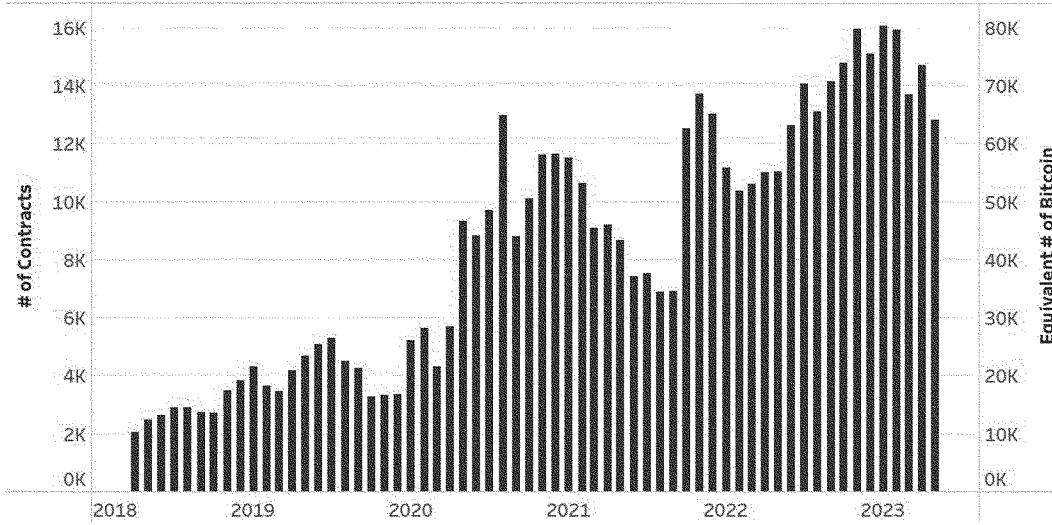
CME began offering trading in Bitcoin Futures in 2017. Each contract represents five bitcoin and is based on the CME CF Bitcoin Reference Rate.<sup>43</sup> The contracts trade and settle like other cash-settled commodity futures contracts. Nearly every measurable metric related to Bitcoin Futures has generally trended up since launch, although certain notional volume calculations have decreased roughly in line with the decrease in the price of bitcoin. For example, there were 143,215 Bitcoin Futures contracts traded in April 2023 (approximately \$20.7 billion) compared to 193,182 (\$5 billion), 104,713 (\$3.9 billion), 118,714 (\$42.7 billion), and 111,964 (\$23.2 billion) contracts traded in April 2019, April 2020, April 2021, and April 2022, respectively.<sup>44</sup>

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<sup>43</sup> The CME CF Bitcoin Reference Rate is based on a publicly available calculation methodology based on pricing sourced from several crypto exchanges and trading platforms, including Bitstamp, Coinbase, Gemini, itBit, Kraken, and LMAX Digital.

<sup>44</sup> Source: CME, Yahoo Finance 4/30/23.

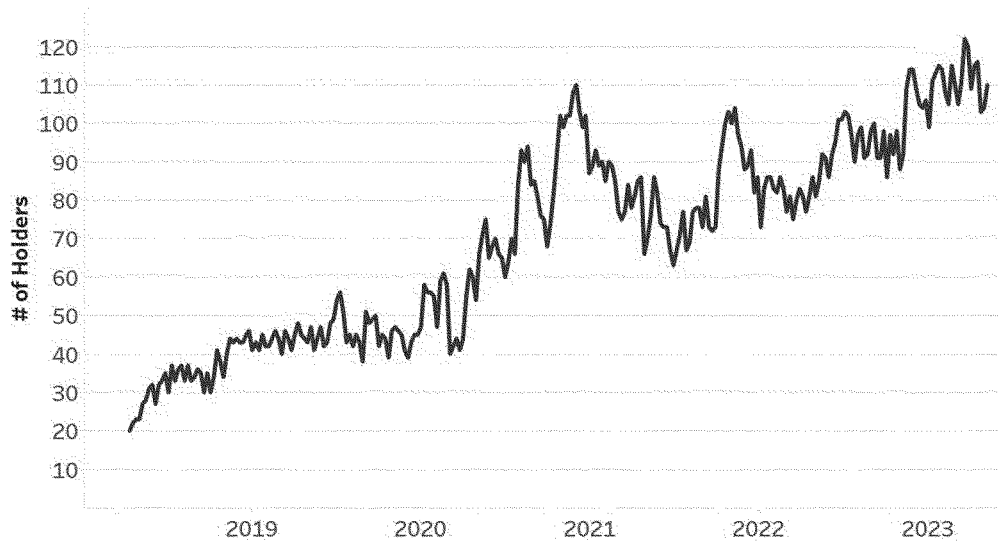
### CME Bitcoin Futures Open Interest (OI)



The number of large open interest holders<sup>45</sup> and unique accounts trading Bitcoin Futures have both increased,

even in the face of heightened Bitcoin price volatility.

### CME Bitcoin Futures Large Open Interest Holders (LOIH)



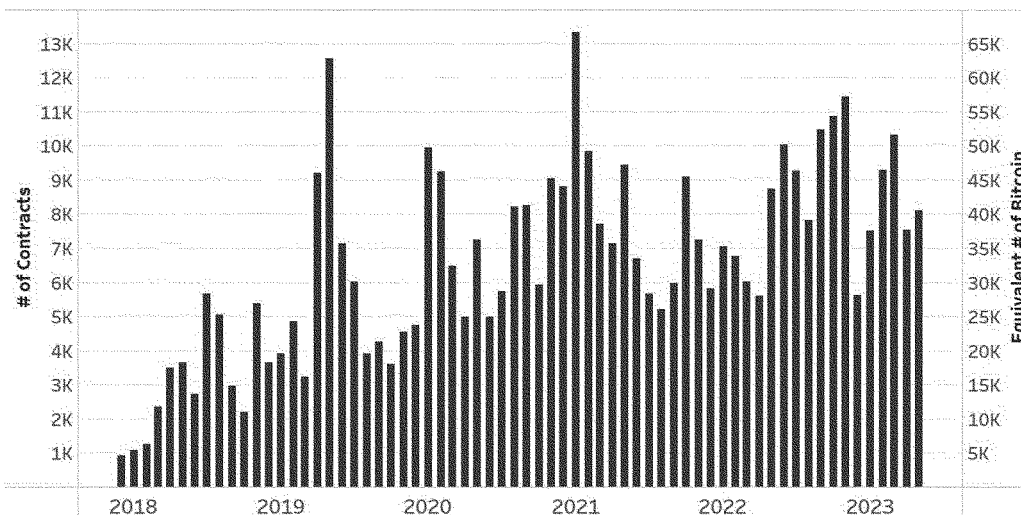
<sup>45</sup> A large open interest holder in Bitcoin Futures is an entity that holds at least 25 contracts, which

is the equivalent of 125 bitcoin. At a price of approximately \$29,268.81 per bitcoin on 4/30/2023,

more than 100 firms had outstanding positions of greater than \$3.65 million in Bitcoin Futures.



## CME Bitcoin Futures Average Daily Volume (ADV)



## BILLING CODE 8011-01-C

The Sponsor further believes that publicly available research, including research done as part of rule filings proposing to list and trade shares of Spot Bitcoin ETPs, corroborates the overall trend outlined above and supports the thesis that the Bitcoin Futures pricing leads the spot market and, thus, a person attempting to manipulate the Shares would also have to trade on that market to manipulate the ETP. Specifically, the Sponsor believes that such research indicates that bitcoin futures lead the bitcoin spot market in price formation.<sup>46</sup>

## Section 6(b)(5) and the Applicable Standards

The Commission has approved numerous series of Trust Issued Receipts,<sup>47</sup> including Commodity-Based

<sup>46</sup> See Exchange Act Releases No. 94080 (January 27, 2022), 87 FR 5527 (April 12, 2022) (specifically “Amendment No. 1 to the Proposed Rule Change To List and Trade Shares of the Wise Origin Bitcoin Trust Under BZX Rule 14.11(3)(4), Commodity-Based Trust Shares”); 94982 (May 25, 2022), 87 FR 33250 (June 1, 2022); 94844 (May 4, 2022), 87 FR 28043 (May 10, 2022); and 93445 (October 28, 2021), 86 FR 60695 (November 3, 2021). See also Hu, Y., Hou, Y. and Oxley, L. (2019). “What role do futures markets play in Bitcoin pricing? Causality, cointegration and price discovery from a time-varying perspective” (available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7481826/>). This academic research paper concludes that “There exist no episodes where the Bitcoin spot markets dominates the price discovery processes with regard to Bitcoin futures. This points to a conclusion that the price formation originates solely in the Bitcoin futures market. We can, therefore, conclude that the Bitcoin futures markets dominate the dynamic price discovery process based upon time-varying information share measures. Overall, price discovery seems to occur in the Bitcoin futures markets rather than the underlying spot market based upon a time-varying perspective.”

<sup>47</sup> See Exchange Rule 14.11(f).

Trust Shares,<sup>48</sup> to be listed on U.S. national securities exchanges. In order for any proposed rule change from an exchange to be approved, the Commission must determine that, among other things, the proposal is consistent with the requirements of Section 6(b)(5) of the Act, specifically including: (i) the requirement that a national securities exchange’s rules are designed to prevent fraudulent and manipulative acts and practices;<sup>49</sup> and (ii) the requirement that an exchange

<sup>48</sup> Commodity-Based Trust Shares, as described in Exchange Rule 14.11(e)(4), are a type of Trust Issued Receipt.

<sup>49</sup> As the Exchange has stated in a number of other public documents, it continues to believe that bitcoin is resistant to price manipulation and that “other means to prevent fraudulent and manipulative acts and practices” exist to justify dispensing with the requisite surveillance sharing agreement. The geographically diverse and continuous nature of bitcoin trading render it difficult and prohibitively costly to manipulate the price of bitcoin. The fragmentation across bitcoin platforms, the relatively slow speed of transactions, and the capital necessary to maintain a significant presence on each trading platform make manipulation of bitcoin prices through continuous trading activity challenging. To the extent that there are bitcoin exchanges engaged in or allowing wash trading or other activity intended to manipulate the price of bitcoin on other markets, such pricing does not normally impact prices on other exchange because participants will generally ignore markets with quotes that they deem non-executable. Moreover, the linkage between the bitcoin markets and the presence of arbitrageurs in those markets means that the manipulation of the price of bitcoin price on any single venue would require manipulation of the global bitcoin price in order to be effective. Arbitrageurs must have funds distributed across multiple trading platforms in order to take advantage of temporary price dislocations, thereby making it unlikely that there will be strong concentration of funds on any particular bitcoin exchange or OTC platform. As a result, the potential for manipulation on a trading platform would require overcoming the liquidity supply of such arbitrageurs who are effectively eliminating any cross-market pricing differences.

proposal be designed, in general, to protect investors and the public interest. The Exchange believes that this proposal is consistent with the requirements of Section 6(b)(5) of the Act and that this filing sufficiently demonstrates that the CME Bitcoin Futures market represents a regulated market of significant size and that, on the whole, the manipulation concerns previously articulated by the Commission are sufficiently mitigated to the point that they are outweighed by quantifiable investor protection issues that would be resolved by approving this proposal.

## (i) Designed To Prevent Fraudulent and Manipulative Acts and Practices

In order to meet this standard in a proposal to list and trade a series of Commodity-Based Trust Shares, the Commission requires that an exchange demonstrate that there is a comprehensive surveillance-sharing agreement in place<sup>50</sup> with a regulated

<sup>50</sup> As previously articulated by the Commission, “The standard requires such surveillance-sharing agreements since “they provide a necessary deterrent to manipulation because they facilitate the availability of information needed to fully investigate a manipulation if it were to occur.” The Commission has emphasized that it is essential for an exchange listing a derivative securities product to enter into a surveillance-sharing agreement with markets trading underlying securities for the listing exchange to have the ability to obtain information necessary to detect, investigate, and deter fraud and market manipulation, as well as violations of exchange rules and applicable federal securities laws and rules. The hallmarks of a surveillance-sharing agreement are that the agreement provides for the sharing of information about market trading activity, clearing activity, and customer identity; that the parties to the agreement have reasonable ability to obtain access to and produce requested information; and that no existing rules, laws, or practices would impede one party to the agreement



market of significant size. Both the Exchange and CME are members of ISG.<sup>51</sup> The only remaining issue to be addressed is whether the Bitcoin Futures market constitutes a market of significant size, which both the Exchange and the Sponsor believe that it does. The terms “significant market” and “market of significant size” include a market (or group of markets) as to which: (a) there is a reasonable likelihood that a person attempting to manipulate the ETP would also have to trade on that market to manipulate the ETP, so that a surveillance-sharing agreement would assist the listing exchange in detecting and deterring misconduct; and (b) it is unlikely that trading in the ETP would be the predominant influence on prices in that market.<sup>52</sup>

The Commission has also recognized that the “regulated market of significant size” standard is not the only means for satisfying Section 6(b)(5) of the act, specifically providing that a listing exchange could demonstrate that “other means to prevent fraudulent and manipulative acts and practices” are sufficient to justify dispensing with the requisite surveillance-sharing agreement.<sup>53</sup>

#### (a) Manipulation of the ETP

According to the research and analysis presented above, the Bitcoin Futures market is the leading market for bitcoin price formation. Where Bitcoin Futures lead the price in the spot market such that a potential manipulator of the bitcoin spot market would have to participate in the Bitcoin Futures market, it follows that a potential manipulator of the Shares would similarly have to transact in the Bitcoin Futures market because the NAV is based on the price of bitcoin on the principal market, which identified market must be an active market with orderly transactions. Further, the Trust

from obtaining this information from, or producing it to, the other party.” The Commission has historically held that joint membership in the Intermarket Surveillance Group (“ISG”) constitutes such a surveillance sharing agreement. *See* Securities Exchange Act Release No. 88284 (February 26, 2020), 85 FR 12595 (March 3, 2020) (SR-NYSEArca-2019-39) (the “Wilshire Phoenix Disapproval”).

<sup>51</sup> For a list of the current members and affiliate members of ISG, *see* [www.isgportal.com](http://www.isgportal.com).

<sup>52</sup> *See* Wilshire Phoenix Disapproval.

<sup>53</sup> *See* Winklevoss Order at 37580. The Commission has also specifically noted that it “is not applying a ‘cannot be manipulated’ standard; instead, the Commission is examining whether the proposal meets the requirements of the Exchange Act and, pursuant to its Rules of Practice, places the burden on the listing exchange to demonstrate the validity of its contentions and to establish that the requirements of the Exchange Act have been met.” *Id.* at 37582.

only allows for in-kind creation and redemption, which, as further described below, reduces the potential for manipulation of the Shares through manipulation of the Trust’s methodology for calculating NAV or any of its individual constituents, again emphasizing that a potential manipulator of the Shares would have to manipulate the entirety of the bitcoin spot market, which is led by the Bitcoin Futures market. As such, the Exchange believes that part (a) of the significant market test outlined above is satisfied and that common membership in ISG between the Exchange and CME would assist the listing exchange in detecting and deterring misconduct in the Shares.

#### (b) Predominant Influence on Prices in Spot and Bitcoin Futures

The Exchange and Sponsor also believe that trading in the Shares would not be the predominant force on prices in the Bitcoin Futures market or spot market for a number of reasons, including the significant volume in the Bitcoin Futures market, the size of bitcoin’s market cap, and the significant liquidity available in the spot market. In addition to the Bitcoin Futures market data points cited above, the spot market for bitcoin is also very liquid.

#### (c) Other Means To Prevent Fraudulent and Manipulative Acts and Practices

As noted above, the Commission also permits a listing exchange to demonstrate that “other means to prevent fraudulent and manipulative acts and practices” are sufficient to justify dispensing with the requisite surveillance-sharing agreement. The Exchange and Sponsor believe that such conditions are present.

The Exchange is proposing to take additional steps to those described above to supplement its ability to obtain information that would be helpful in detecting, investigating, and deterring fraud and market manipulation in the Commodity-Based Trust Shares. On June 21, 2023, the Exchange reached an agreement on terms with Coinbase, Inc. (“Coinbase”), an operator of a United States-based spot trading platform for Bitcoin that represents a substantial portion of US-based and USD denominated Bitcoin trading,<sup>54</sup> to enter into a surveillance-sharing agreement (“Spot BTC SSA”) and executed an associated term sheet. Based on this agreement on terms, the Exchange and Coinbase will finalize and execute a definitive agreement that the parties

<sup>54</sup> According to a Kaiko Research report dated June 26, 2023, Coinbase represented roughly 50% of exchange trading volume in USD-BTC trading on a daily basis during May 2023.

expect to be executed prior to allowing trading of the Commodity-Based Trust Shares.

The Spot BTC SSA is expected to be a bilateral surveillance-sharing agreement between the Exchange and Coinbase that is intended to supplement the Exchange’s market surveillance program. The Spot BTC SSA is expected to have the hallmarks of a surveillance-sharing agreement between two members of the ISG, which would give the Exchange supplemental access to data regarding spot Bitcoin trades on Coinbase where the Exchange determines it is necessary as part of its surveillance program for the Commodity-Based Trust Shares.<sup>55</sup> This means that the Exchange expects to receive market data for orders and trades from Coinbase, which it will utilize in surveillance of the trading of Commodity-Based Trust Shares. In addition, the Exchange can request further information from Coinbase related to spot bitcoin trading activity on the Coinbase exchange platform, if the Exchange determines that such information would be necessary to detect and investigate potential manipulation in the trading of the Commodity-Based Trust Shares.<sup>56</sup>

Further, and consistent with prior points above, offering only in-kind creation and redemption will also provide unique protections against potential attempts to manipulate the price of the Shares. While the Sponsor believes that the index which it uses to value the Trust’s bitcoin is itself resistant to manipulation based on the methodology further described below, the fact that creations and redemptions are only available in-kind makes the index significantly less important. Specifically, because the Trust will not accept cash to buy bitcoin in order to create new Shares or, barring a forced redemption of the Trust or under other extraordinary circumstances, be forced to sell bitcoin to pay cash for redeemed Shares, the price that the Sponsor uses to value the Trust’s bitcoin is not particularly important.<sup>57</sup> When authorized participants are creating Shares with the Trust, they need to deliver a certain number of bitcoin per Share (regardless of the valuation used) and when they’re redeeming, they can

<sup>55</sup> For additional information regarding ISG and the hallmarks of surveillance-sharing between ISG members, *see* <https://isgportal.org/overview>.

<sup>56</sup> The Exchange also notes that it already has in place ISG-like surveillance sharing agreement with Cboe Digital Exchange, LLC and Cboe Clear Digital, LLC.

<sup>57</sup> While the Index will not be particularly important for the creation and redemption process, it will be used for calculating fees.

similarly expect to receive a certain number of bitcoin per Share. As such, even if the price used to value the Trust's bitcoin is manipulated (which the Sponsor believes that its methodology is resistant to), the ratio of bitcoin per Share does not change and the Trust will either accept (for creations) or distribute (for redemptions) the same number of bitcoin regardless of the value. This not only mitigates the risk associated with potential manipulation, but also discourages and disincentivizes manipulation of the index because there is little financial incentive to do so.

(ii) Designed To Protect Investors and the Public Interest

The Exchange believes that the proposal is designed to protect investors and the public interest. Over the past several years, U.S. investor exposure to bitcoin through OTC Bitcoin Funds has grown into the tens of billions of dollars, including through Bitcoin Futures ETFs. With that growth, so too has grown the quantifiable investor protection issues to U.S. investors through roll costs for Bitcoin Futures ETFs and premium/discount volatility and management fees for OTC Bitcoin Funds. The Exchange believes that the concerns related to the prevention of fraudulent and manipulative acts and practices have been sufficiently addressed to be consistent with the Act and, to the extent that the Commission disagrees with that assertion, such concerns are now outweighed by investor protection concerns. As such, the Exchange believes that approving this proposal (and comparable proposals) provides the Commission with the opportunity to allow U.S. investors with access to bitcoin in a regulated and transparent exchange-traded vehicle that would act to limit risk to U.S. investors by: (i) reducing premium and discount volatility; (ii) reducing management fees through meaningful competition; (iii) reducing risks and costs associated with investing in Bitcoin Futures ETFs and operating companies that are imperfect proxies for bitcoin exposure; and (iv) providing an alternative to custodial spot bitcoin.

Global X Bitcoin Trust

Delaware Trust Company is the trustee ("Trustee"). The Bank of New York Mellon will be the administrator ("Administrator") and transfer agent ("Transfer Agent"). Coinbase Custody Trust Company, LLC, a third-party regulated custodian (the "Custodian"), will be responsible for custody of the Trust's bitcoin. Sponsor selects the marketing agent in connection with the

creation and redemption of "Baskets" of Shares.<sup>58</sup>

According to the Registration Statement, each Share will represent a fractional undivided beneficial interest and ownership in the Trust. The Trust's assets will consist of bitcoin held by the Custodian on behalf of the Trust. The Trust generally does not intend to hold cash or cash equivalents. However, there may be situations where the Trust will unexpectedly hold cash or cash equivalents on a temporary basis.

According to the Registration Statement, the Trust is neither an investment company registered under the Investment Company Act of 1940, as amended,<sup>59</sup> nor a commodity pool for purposes of the Commodity Exchange Act ("CEA"), and neither the Trust nor the Sponsor is subject to regulation as a commodity pool operator or a commodity trading adviser in connection with the Shares.

When the Trust sells or redeems its Shares, it will do so in "in-kind" transactions in large blocks of Shares (a "Creation Basket") at the Trust's NAV. Authorized participants will deliver, or facilitate the delivery of, bitcoin to the Trust's account with the Custodian in exchange for Shares when they purchase Shares, and the Trust, through the Custodian, will deliver bitcoin to such authorized participants when they redeem Shares with the Trust. Authorized participants may then offer Shares to the public at prices that depend on various factors, including the supply and demand for Shares, the value of the Trust's assets, and market conditions at the time of a transaction. Shareholders who buy or sell Shares during the day from their broker may do so at a premium or discount relative to the NAV of the Shares of the Trust.

Investment Objective

According to the Registration Statement and as further described below, the investment objective of the Trust is to reflect the performance of the price of bitcoin less the expenses of the Trust's operations. In seeking to achieve its investment objective, the Trust will hold bitcoin.

The Trust will value its Shares daily based on the value of bitcoin as reflected by the CoinDesk Bitcoin Price Index (XBX) (the "Index"), a real-time, US dollar equivalent spot rate for Bitcoin. The Index leverages real-time prices from multiple constituent

exchanges to provide a representative spot price. Each constituent exchange is weighted proportionally to its trailing 24-hour liquidity with adjustments for price variance and inactivity. Given the potential for anomalies or manipulation at individual exchanges, constituent weights may dynamically adjust using CoinDesk Indices proprietary Constituent Weighting Adjustment Algorithm (CWAA). The algorithm is designed to calculate a real-time index that is an accurate and reliable reflection of the market price of each digital asset, using multi-sourced spot prices and dynamically reduce the weights of individual exchanges with lower liquidity, inactivity, and higher price variance. The Index is administered in alignment with the International Organization of Securities Commissions ("IOSCO") Principles for Financial Benchmarks. The Index price is calculated using non-GAAP<sup>60</sup> methodology and is not used in the Trust's financial statements.

The Trust will process all creations and redemptions in-kind in transactions with authorized participants. The Trust is not actively managed.

Net Asset Value

The Net Asset Value ("NAV") of the Trust is used by the Trust in its day-to-day operations to measure the net value of the Trust's assets. The NAV is calculated on each business day and is equal to the aggregate value of the Trust's assets less its liabilities based on the Index price. In determining the NAV of the Trust on any business day, the Administrator will calculate the price of the bitcoin held by the Trust as of 4:00 p.m. EST on such day. The Administrator will also calculate the NAV per Share of the Trust, which equals the NAV of the Trust divided by the number of outstanding Shares.

The Administrator will rely on the Index as the Index price to be used when determining NAV. The methodology used to calculate the Index price to value bitcoin in determining the net asset value of the Trust may not be deemed consistent with U.S. GAAP. However, the Trust will utilize a pricing source that is consistent with GAAP for the Trust's periodic financial statements. Therefore, to the extent the methodology used to calculate the Index is deemed not to be consistent with GAAP, the Trust's periodic financial statements may not utilize net asset value or NAV. The Sponsor will determine in its sole discretion the valuation sources and policies used to

<sup>58</sup> The Exchange notes that the Sponsor is finalizing negotiations with the marketing agent and it will submit an amendment to this proposal upon execution of the agreement with the marketing agent.

<sup>59</sup> 15 U.S.C. 80a-1.

<sup>60</sup> GAAP refers to generally accepted account principles.

prepare the Trust's financial statements in accordance with GAAP.

#### Calculation of Net Asset Value and the Index

On each Business Day, as soon as practicable after 4:00 p.m. EST, the Administrator evaluates the bitcoin held by the Trust as reflected by the Index and determines the net asset value of the Trust and the NAV. For purposes of making these calculations, a Business Day means any day other than a day when the Exchange is closed for regular trading.

The Index is a real-time, USD-equivalent spot rate for Bitcoin. The Index leverages real-time prices from multiple constituent exchanges to provide a representative spot price. Each constituent exchange is weighted proportionally to its trailing 24-hour liquidity with adjustments for price variance and inactivity. Given the potential for anomalies or manipulation at individual exchanges, constituent weights may dynamically adjust using CoinDesk Indices proprietary Constituent Weighting Adjustment Algorithm (CWAA). The algorithm is designed to calculate a real-time index that is an accurate and reliable reflection of the market price of each digital asset, using multi-sourced spot prices and dynamically reduce the weights of individual exchanges with lower liquidity, inactivity, and higher price variance. The Index is administered in alignment with the IOSCO Principles for Financial Benchmarks.

If the Index is not available or the Sponsor determines, in its sole discretion, that the Index should not be used, the Trust's holdings may be fair valued in accordance with the policy approved by the Sponsor.

#### Availability of Information

In addition to the price transparency of the Index, the Trust will provide information regarding the Trust's bitcoin holdings as well as additional data regarding the Trust. The Trust will provide an Intraday Indicative Value ("IIV") per Share updated every 15 seconds, as calculated by the Exchange or a third-party financial data provider during the Exchange's Regular Trading Hours (9:30 a.m. to 4:00 p.m. E.T.). The IIV will be calculated by using the prior day's closing NAV per Share as a base and updating that value during Regular Trading Hours to reflect changes in the value of the Trust's bitcoin holdings during the trading day.

The IIV disseminated during Regular Trading Hours should not be viewed as an actual real-time update of the NAV,

which will be calculated only once at the end of each trading day. The IIV will be widely disseminated on a per Share basis every 15 seconds during the Exchange's Regular Trading Hours by one or more major market data vendors. In addition, the IIV will be available through on-line information services.

The website for the Trust, which will be publicly accessible at no charge, will contain the following information: (a) the current NAV per Share daily and the prior business day's NAV and the reported closing price; (b) the BZX Official Closing Price<sup>61</sup> in relation to the NAV as of the time the NAV is calculated and a calculation of the premium or discount of such price against such NAV; (c) data in chart form displaying the frequency distribution of discounts and premiums of the Official Closing Price against the NAV, within appropriate ranges for each of the four previous calendar quarters (or for the life of the Trust, if shorter); (d) the prospectus; and (e) other applicable quantitative information. The Trust will also disseminate the Trust's holdings on a daily basis on the Trust's website. The price of bitcoin will be made available by one or more major market data vendors, updated at least every 15 seconds during Regular Trading Hours. Information about the Index, including key elements on how the Index is calculated, will be publicly available at <https://www.coindesk.com/indices/xbx/>.

The NAV for the Trust will be calculated by the Administrator once a day and will be disseminated daily to all market participants at the same time. Quotation and last-sale information regarding the Shares will be disseminated through the facilities of the Consolidated Tape Association ("CTA").

Quotation and last sale information for bitcoin is widely disseminated through a variety of major market data vendors, including Bloomberg and Reuters. Information relating to trading, including price and volume information, in bitcoin is available from major market data vendors and from the exchanges on which bitcoin are traded. Depth of book information is also available from bitcoin exchanges. The normal trading hours for bitcoin exchanges are 24 hours per day, 365 days per year.

#### Custody of the Trust's Bitcoins

An investment in the Shares is backed by bitcoin held by the Custodian on

<sup>61</sup> As defined in Rule 11.23(a)(3), the term "BZX Official Closing Price" shall mean the price disseminated to the consolidated tape as the market center closing trade.

behalf of the Trust. The Custodian will keep custody of all of the Trust's bitcoin, other than that which is maintained in the Trading Balance with the Prime Broker, in accounts that are required to be segregated from the assets held by the Custodian as principal and the assets of its other customers (the "Vault Balance"), with any remainder of the Vault Balance held as part of a "hot storage".<sup>62</sup> The Custodian will keep a substantial portion of the private keys associated with the Trust's bitcoin in "cold storage"<sup>63</sup> or similarly secure technology (the "Cold Vault Balance"). The hardware, software, systems, and procedures of the Custodian may not be available or cost effective for many investors to access directly.

#### Creation and Redemption of Shares

According to the Registration Statement, on any business day, an authorized participant may place an order to create one or more baskets. Purchase orders must be placed by 4:00 p.m. Eastern Time, or the close of regular trading on the Exchange, whichever is earlier. The day on which an order is received is considered the purchase order date. The total deposit of bitcoin required is an amount of bitcoin that is in the same proportion to the total assets of the Trust, net of accrued expenses and other liabilities, on the date the order to purchase is properly received, as the number of Shares to be created under the purchase order is in proportion to the total number of Shares outstanding on the date the order is received. Each night, the Sponsor will publish the amount of bitcoin that will be required in exchange for each creation order. The Administrator determines the required deposit for a

<sup>62</sup> A portion of the Trust's bitcoin holdings and cash holdings from time to time may be held with the Prime Broker, an affiliate of the Custodian, in the Trading Balance, in connection with in-kind creations and redemptions of Baskets and the sale of bitcoin to pay the Sponsor's Fee and Trust expenses not assumed by the Sponsor. These periodic holdings held in the Trading Balance with the Prime Broker represent an omnibus claim on the Prime Broker's bitcoins held on behalf of clients; these holdings exist across a combination of omnibus hot wallets, omnibus cold wallets, or in accounts in the Prime Broker's name on a trading venue (including third-party venues and the Prime Broker's own execution venue) where the Prime Broker executes orders to buy and sell bitcoin on behalf of its clients.

<sup>63</sup> The term "cold storage" refers to a safeguarding method by which the private keys corresponding to bitcoins stored on a digital wallet are removed from any computers actively connected to the internet. Cold storage of private keys may involve keeping such wallet on a non-networked computer or electronic device or storing the public key and private keys relating to the digital wallet on a storage device (for example, a USB thumb drive) or printed medium (for example, papyrus or paper) and deleting the digital wallet from all computers.

given day by dividing the number of bitcoin held by the Trust as of the opening of business on that business day, adjusted for the amount of bitcoin constituting estimated accrued but unpaid fees and expenses of the Trust as of the opening of business on that business day, by the quotient of the number of Shares outstanding at the opening of business divided by the number of Shares in a Creation Unit. The procedures by which an authorized participant can redeem one or more Creation Baskets mirror the procedures for the creation of Creation Baskets.

#### Rule 14.11(e)(4)—Commodity-Based Trust Shares

The Shares will be subject to BZX Rule 14.11(e)(4), which sets forth the initial and continued listing criteria applicable to Commodity-Based Trust Shares. The Exchange will obtain a representation that the Trust's NAV will be calculated daily and that these values and information about the assets of the Trust will be made available to all market participants at the same time. The Exchange notes that, as defined in Rule 14.11(e)(4)(C)(i), the Shares will be: (a) issued by a trust that holds a specified commodity<sup>64</sup> deposited with the trust; (b) issued by such trust in a specified aggregate minimum number in return for a deposit of a quantity of the underlying commodity; and (c) when aggregated in the same specified minimum number, may be redeemed at a holder's request by such trust which will deliver to the redeeming holder the quantity of the underlying commodity.

Upon termination of the Trust, the Shares will be removed from listing. The Trustee, Delaware Trust Company, is a trust company having substantial capital and surplus and the experience and facilities for handling corporate trust business, as required under Rule 14.11(e)(4)(E)(iv)(a) and that no change will be made to the trustee without prior notice to and approval of the Exchange. The Exchange also notes that, pursuant to Rule 14.11(e)(4)(F), neither the Exchange nor any agent of the Exchange shall have any liability for damages, claims, losses or expenses caused by any errors, omissions or delays in calculating or disseminating any underlying commodity value, the current value of the underlying commodity required to be deposited to the Trust in connection with issuance of Commodity-Based Trust Shares;

resulting from any negligent act or omission by the Exchange, or any agent of the Exchange, or any act, condition or cause beyond the reasonable control of the Exchange, its agent, including, but not limited to, an act of God; fire; flood; extraordinary weather conditions; war; insurrection; riot; strike; accident; action of government; communications or power failure; equipment or software malfunction; or any error, omission or delay in the reports of transactions in an underlying commodity. Finally, as required in Rule 14.11(e)(4)(G), the Exchange notes that any registered market maker ("Market Maker") in the Shares must file with the Exchange in a manner prescribed by the Exchange and keep current a list identifying all accounts for trading in an underlying commodity, related commodity futures or options on commodity futures, or any other related commodity derivatives, which the registered Market Maker may have or over which it may exercise investment discretion. No registered Market Maker shall trade in an underlying commodity, related commodity futures or options on commodity futures, or any other related commodity derivatives, in an account in which a registered Market Maker, directly or indirectly, controls trading activities, or has a direct interest in the profits or losses thereof, which has not been reported to the Exchange as required by this Rule. In addition to the existing obligations under Exchange rules regarding the production of books and records (see, e.g., Rule 4.2), the registered Market Maker in Commodity-Based Trust Shares shall make available to the Exchange such books, records or other information pertaining to transactions by such entity or registered or non-registered employee affiliated with such entity for its or their own accounts for trading the underlying physical commodity, related commodity futures or options on commodity futures, or any other related commodity derivatives, as may be requested by the Exchange.

#### Trading Halts

With respect to trading halts, the Exchange may consider all relevant factors in exercising its discretion to halt or suspend trading in the Shares. The Exchange will halt trading in the Shares under the conditions specified in BZX Rule 11.18. Trading may be halted because of market conditions or for reasons that, in the view of the Exchange, make trading in the Shares inadvisable. These may include: (1) the extent to which trading is not occurring in the bitcoin underlying the Shares; or (2) whether other unusual conditions or

circumstances detrimental to the maintenance of a fair and orderly market are present. Trading in the Shares also will be subject to Rule 14.11(e)(4)(E)(ii), which sets forth circumstances under which trading in the Shares may be halted.

#### Trading Rules

The Exchange deems the Shares to be equity securities, thus rendering trading in the Shares subject to the Exchange's existing rules governing the trading of equity securities. BZX will allow trading in the Shares during all trading sessions on the Exchange. The Exchange has appropriate rules to facilitate transactions in the Shares during all trading sessions. As provided in BZX Rule 11.11(a) the minimum price variation for quoting and entry of orders in securities traded on the Exchange is \$0.01 where the price is greater than \$1.00 per share or \$0.0001 where the price is less than \$1.00 per share.

#### Surveillance

The Exchange believes that its surveillance procedures are adequate to properly monitor the trading of the Shares on the Exchange during all trading sessions and to deter and detect violations of Exchange rules and the applicable federal securities laws. Trading of the Shares through the Exchange will be subject to the Exchange's surveillance procedures for derivative products, including Commodity-Based Trust Shares. The issuer has represented to the Exchange that it will advise the Exchange of any failure by the Trust or the Shares to comply with the continued listing requirements, and, pursuant to its obligations under Section 19(g)(1) of the Exchange Act, the Exchange will surveil for compliance with the continued listing requirements. If the Trust or the Shares are not in compliance with the applicable listing requirements, the Exchange will commence delisting procedures under Exchange Rule 14.12. The Exchange may obtain information regarding trading in the Shares and Bitcoin Futures via ISG, from other exchanges who are members or affiliates of the ISG, or with which the Exchange has entered into a comprehensive surveillance sharing agreement.<sup>65</sup>

#### Information Circular

Prior to the commencement of trading, the Exchange will inform its members in an Information Circular of the special characteristics and risks associated with trading the Shares.

<sup>65</sup> For a list of the current members and affiliate members of ISG, see [www.isgportal.com](http://www.isgportal.com).

<sup>64</sup> For purposes of Rule 14.11(e)(4), the term commodity takes on the definition of the term as provided in the Commodity Exchange Act. As noted above, the CFTC has opined that Bitcoin is a commodity as defined in Section 1a(9) of the Commodity Exchange Act. See *Coinflip*.

Specifically, the Information Circular will discuss the following: (i) the procedures for the creation and redemption of Baskets (and that the Shares are not individually redeemable); (ii) BZX Rule 3.7, which imposes suitability obligations on Exchange members with respect to recommending transactions in the Shares to customers; (iii) how information regarding the IIV and the Trust's NAV are disseminated; (iv) the risks involved in trading the Shares outside of Regular Trading Hours<sup>66</sup> when an updated IIV will not be calculated or publicly disseminated; (v) the requirement that members deliver a prospectus to investors purchasing newly issued Shares prior to or concurrently with the confirmation of a transaction; and (vi) trading information.

In addition, the Information Circular will advise members, prior to the commencement of trading, of the prospectus delivery requirements applicable to the Shares. Members purchasing the Shares for resale to investors will deliver a prospectus to such investors. The Information Circular will also discuss any exemptive, no-action and interpretive relief granted by the Commission from any rules under the Act.

## 2. Statutory Basis

The Exchange believes that the proposal is consistent with Section 6(b) of the Act<sup>67</sup> in general and Section 6(b)(5) of the Act<sup>68</sup> in particular in that it is designed to prevent fraudulent and manipulative acts and practices, to promote just and equitable principles of trade, to foster cooperation and coordination with persons engaged in facilitating transactions in securities, to remove impediments to and perfect the mechanism of a free and open market and a national market system and, in general, to protect investors and the public interest.

The Commission has approved numerous series of Trust Issued Receipts, including Commodity-Based Trust Shares, to be listed on U.S. national securities exchanges. In order for any proposed rule change from an exchange to be approved, the Commission must determine that, among other things, the proposal is consistent with the requirements of Section 6(b)(5) of the Act, specifically including: (i) the requirement that a national securities exchange's rules are designed to prevent fraudulent and

manipulative acts and practices;<sup>69</sup> and (ii) the requirement that an exchange proposal be designed, in general, to protect investors and the public interest. The Exchange believes that this proposal is consistent with the requirements of Section 6(b)(5) of the Act and that this filing sufficiently demonstrates that the CME Bitcoin Futures market represents a regulated market of significant size and that, on the whole, the manipulation concerns previously articulated by the Commission are sufficiently mitigated to the point that they are outweighed by quantifiable investor protection issues that would be resolved by approving this proposal.

### (i) Designed To Prevent Fraudulent and Manipulative Acts and Practices

In order to meet this standard in a proposal to list and trade a series of Commodity-Based Trust Shares, the Commission requires that an exchange demonstrate that there is a comprehensive surveillance-sharing agreement in place<sup>70</sup> with a regulated

<sup>69</sup> As the Exchange has stated in a number of other public documents, it continues to believe that bitcoin is resistant to price manipulation and that "other means to prevent fraudulent and manipulative acts and practices" exist to justify dispensing with the requisite surveillance sharing agreement. The geographically diverse and continuous nature of bitcoin trading render it difficult and prohibitively costly to manipulate the price of bitcoin. The fragmentation across bitcoin platforms, the relatively slow speed of transactions, and the capital necessary to maintain a significant presence on each trading platform make manipulation of bitcoin prices through continuous trading activity challenging. To the extent that there are bitcoin exchanges engaged in or allowing wash trading or other activity intended to manipulate the price of bitcoin on other markets, such pricing does not normally impact prices on other exchange because participants will generally ignore markets with quotes that they deem non-executable. Moreover, the linkage between the bitcoin markets and the presence of arbitrageurs in those markets means that the manipulation of the price of bitcoin on any single venue would require manipulation of the global bitcoin price in order to be effective. Arbitrageurs must have funds distributed across multiple trading platforms in order to take advantage of temporary price dislocations, thereby making it unlikely that there will be strong concentration of funds on any particular bitcoin exchange or OTC platform. As a result, the potential for manipulation on a trading platform would require overcoming the liquidity supply of such arbitrageurs who are effectively eliminating any cross-market pricing differences.

<sup>70</sup> As previously articulated by the Commission, "The standard requires such surveillance-sharing agreements since "they provide a necessary deterrent to manipulation because they facilitate the availability of information needed to fully investigate a manipulation if it were to occur." The Commission has emphasized that it is essential for an exchange listing a derivative securities product to enter into a surveillance-sharing agreement with markets trading underlying securities for the listing exchange to have the ability to obtain information necessary to detect, investigate, and deter fraud and market manipulation, as well as violations of

market of significant size. Both the Exchange and CME are members of ISG. The only remaining issue to be addressed is whether the Bitcoin Futures market constitutes a market of significant size, which both the Exchange and the Sponsor believe that it does. The terms "significant market" and "market of significant size" include a market (or group of markets) as to which: (a) there is a reasonable likelihood that a person attempting to manipulate the ETP would also have to trade on that market to manipulate the ETP, so that a surveillance-sharing agreement would assist the listing exchange in detecting and deterring misconduct; and (b) it is unlikely that trading in the ETP would be the predominant influence on prices in that market.<sup>71</sup>

The Commission has also recognized that the "regulated market of significant size" standard is not the only means for satisfying Section 6(b)(5) of the act, specifically providing that a listing exchange could demonstrate that "other means to prevent fraudulent and manipulative acts and practices" are sufficient to justify dispensing with the requisite surveillance-sharing agreement.<sup>72</sup>

### (a) Manipulation of the ETP

According to the research and analysis presented above, the Bitcoin Futures market is the leading market for bitcoin price formation. Where Bitcoin Futures lead the price in the spot market such that a potential manipulator of the bitcoin spot market (beyond just the constituents of the Index) would have to participate in the Bitcoin Futures market, it follows that a potential manipulator of the Shares would similarly have to transact in the Bitcoin Futures market because the NAV is

exchange rules and applicable federal securities laws and rules. The hallmarks of a surveillance-sharing agreement are that the agreement provides for the sharing of information about market trading activity, clearing activity, and customer identity; that the parties to the agreement have reasonable ability to obtain access to and produce requested information; and that no existing rules, laws, or practices would impede one party to the agreement from obtaining this information from, or producing it to, the other party." The Commission has historically held that joint membership in the ISG constitutes such a surveillance sharing agreement. See *Wilshire Phoenix Disapproval*.

<sup>71</sup> *Id.*

<sup>72</sup> See *Winklevoss Order* at 37580. The Commission has also specifically noted that it "is not applying a 'cannot be manipulated' standard; instead, the Commission is examining whether the proposal meets the requirements of the Exchange Act and, pursuant to its Rules of Practice, places the burden on the listing exchange to demonstrate the validity of its contentions and to establish that the requirements of the Exchange Act have been met." *Id.* at 37582.

<sup>66</sup> Regular Trading Hours is the time between 9:30 a.m. and 4:00 p.m. Eastern Time.

<sup>67</sup> 15 U.S.C. 78f.

<sup>68</sup> 15 U.S.C. 78f(b)(5).

based on spot prices. Further, the Trust only allows for in-kind creation and redemption, which, as further described below, reduces the potential for manipulation of the Shares through manipulation of the Trust's methodology for calculating NAV or any of its individual constituents, again emphasizing that a potential manipulator of the Shares would have to manipulate the entirety of the bitcoin spot market, which is led by the Bitcoin Futures market. As such, the Exchange believes that part (a) of the significant market test outlined above is satisfied and that common membership in ISG between the Exchange and CME would assist the listing exchange in detecting and deterring misconduct in the Shares.

#### (b) Predominant Influence on Prices in Spot and Bitcoin Futures

The Exchange and Sponsor also believe that trading in the Shares would not be the predominant force on prices in the Bitcoin Futures market or spot market for a number of reasons, including the significant volume in the Bitcoin Futures market, the size of bitcoin's market cap, and the significant liquidity available in the spot market. In addition to the Bitcoin Futures market data points cited above, the spot market for bitcoin is also very liquid.

#### (c) Other Means To Prevent Fraudulent and Manipulative Acts and Practices

As noted above, the Commission also permits a listing exchange to demonstrate that "other means to prevent fraudulent and manipulative acts and practices" are sufficient to justify dispensing with the requisite surveillance-sharing agreement. The Exchange and Sponsor believe that such conditions are present.

The Exchange is proposing to take additional steps to those described above to supplement its ability to obtain information that would be helpful in detecting, investigating, and deterring fraud and market manipulation in the Commodity-Based Trust Shares. On June 21, 2023, the Exchange reached an agreement on terms with Coinbase, Inc. ("Coinbase"), an operator of a United States-based spot trading platform for Bitcoin that represents a substantial portion of US-based and USD denominated Bitcoin trading,<sup>73</sup> to enter into a surveillance-sharing agreement ("Spot BTC SSA") and executed an associated term sheet. Based on this agreement on terms, the Exchange and Coinbase will finalize and execute a

definitive agreement that the parties expect to be executed prior to allowing trading of the Commodity-Based Trust Shares.

The Spot BTC SSA is expected to be a bilateral surveillance-sharing agreement between the Exchange and Coinbase that is intended to supplement the Exchange's market surveillance program. The Spot BTC SSA is expected to have the hallmarks of a surveillance-sharing agreement between two members of the ISG, which would give the Exchange supplemental access to data regarding spot Bitcoin trades on Coinbase where the Exchange determines it is necessary as part of its surveillance program for the Commodity-Based Trust Shares.<sup>74</sup> This means that the Exchange expects to receive market data for orders and trades from Coinbase, which it will utilize in surveillance of the trading of Commodity-Based Trust Shares. In addition, the Exchange can request further information from Coinbase related to spot bitcoin trading activity on the Coinbase exchange platform, if the Exchange determines that such information would be necessary to detect and investigate potential manipulation in the trading of the Commodity-Based Trust Shares.<sup>75</sup>

Further, and consistent with prior points above, offering only in-kind creation and redemption will also provide unique protections against potential attempts to manipulate the price of the Shares. While the Sponsor believes that the Index which it uses to value the Trust's bitcoin is itself resistant to manipulation based on the methodology further described below, the fact that creations and redemptions are only available in-kind makes the manipulability of the Index significantly less important. Specifically, because the Trust will not accept cash to buy bitcoin in order to create new Shares or, barring a forced redemption of the Trust or under other extraordinary circumstances, be forced to sell bitcoin to pay cash for redeemed Shares, the price that the Sponsor uses to value the Trust's bitcoin is not particularly important. When authorized participants are creating Shares with the Trust, they need to deliver a certain number of bitcoin per Share (regardless of the valuation used) and when they're redeeming, they can similarly expect to receive a certain number of bitcoin per

Share. As such, even if the price used to value the Trust's bitcoin is manipulated (which the Sponsor believes that its methodology is resistant to), the ratio of bitcoin per Share does not change and the Trust will either accept (for creations) or distribute (for redemptions) the same number of bitcoin regardless of the value. This not only mitigates the risk associated with potential manipulation, but also discourages and disincentivizes manipulation of the Index because there is little financial incentive to do so.

#### (ii) Designed To Protect Investors and the Public Interest

The Exchange believes that the proposal is designed to protect investors and the public interest. Over the past several years, U.S. investor exposure to bitcoin through OTC Bitcoin Funds has grown into the tens of billions of dollars, including through Bitcoin Futures ETFs. With that growth, so too has grown the quantifiable investor protection issues to U.S. investors through roll costs for Bitcoin Futures ETFs and premium/discount volatility and management fees for OTC Bitcoin Funds. The Exchange believes that the concerns related to the prevention of fraudulent and manipulative acts and practices have been sufficiently addressed to be consistent with the Act and, to the extent that the Commission disagrees with that assertion, such concerns are now outweighed by investor protection concerns. As such, the Exchange believes that approving this proposal (and comparable proposals) provides the Commission with the opportunity to allow U.S. investors with access to bitcoin in a regulated and transparent exchange-traded vehicle that would act to limit risk to U.S. investors by: (i) reducing premium and discount volatility; (ii) reducing management fees through meaningful competition; (iii) reducing risks and costs associated with investing in Bitcoin Futures ETFs and operating companies that are imperfect proxies for bitcoin exposure; and (iv) providing an alternative to custodial spot bitcoin.

#### Commodity-Based Trust Shares

The Exchange believes that the proposed rule change is designed to prevent fraudulent and manipulative acts and practices in that the Shares will be listed on the Exchange pursuant to the initial and continued listing criteria in Exchange Rule 14.11(e)(4). The Exchange believes that its surveillance procedures are adequate to properly monitor the trading of the Shares on the Exchange during all trading sessions and to deter and detect violations of

<sup>73</sup> According to a Kaiko Research report dated June 26, 2023, Coinbase represented roughly 50% of exchange trading volume in USD-BTC trading on a daily basis during May 2023.

<sup>74</sup> For additional information regarding ISG and the hallmarks of surveillance-sharing between ISG members, see <https://isgportal.org/overview>.

<sup>75</sup> The Exchange also notes that it already has in place ISG-like surveillance sharing agreement with Cboe Digital Exchange, LLC and Cboe Clear Digital, LLC.

Exchange rules and the applicable federal securities laws. Trading of the Shares through the Exchange will be subject to the Exchange's surveillance procedures for derivative products, including Commodity-Based Trust Shares. The issuer has represented to the Exchange that it will advise the Exchange of any failure by the Trust or the Shares to comply with the continued listing requirements, and, pursuant to its obligations under Section 19(g)(1) of the Exchange Act, the Exchange will surveil for compliance with the continued listing requirements. If the Trust or the Shares are not in compliance with the applicable listing requirements, the Exchange will commence delisting procedures under Exchange Rule 14.12. The Exchange may obtain information regarding trading in the Shares and listed bitcoin derivatives via the ISG, from other exchanges who are members or affiliates of the ISG, or with which the Exchange has entered into a comprehensive surveillance sharing agreement.

#### Availability of Information

The Exchange also believes that the proposal promotes market transparency in that a large amount of information is currently available about bitcoin and will be available regarding the Trust and the Shares. In addition to the price transparency of the Index, the Trust will provide information regarding the Trust's bitcoin holdings as well as additional data regarding the Trust. The Trust will provide an IIV per Share updated every 15 seconds, as calculated by the Exchange or a third-party financial data provider during the Exchange's Regular Trading Hours (9:30 a.m. to 4:00 p.m. E.T.). The IIV will be calculated by using the prior day's closing NAV per Share as a base and updating that value during Regular Trading Hours to reflect changes in the value of the Trust's bitcoin holdings during the trading day.

The IIV disseminated during Regular Trading Hours should not be viewed as an actual real-time update of the NAV, which will be calculated only once at the end of each trading day. The IIV will be widely disseminated on a per Share basis every 15 seconds during the Exchange's Regular Trading Hours by one or more major market data vendors. In addition, the IIV will be available through on-line information services.

The website for the Trust, which will be publicly accessible at no charge, will contain the following information: (a) the current NAV per Share daily and the prior business day's NAV and the reported closing price; (b) the BZX Official Closing Price in relation to the

NAV as of the time the NAV is calculated and a calculation of the premium or discount of such price against such NAV; (c) data in chart form displaying the frequency distribution of discounts and premiums of the Official Closing Price against the NAV, within appropriate ranges for each of the four previous calendar quarters (or for the life of the Trust, if shorter); (d) the prospectus; and (e) other applicable quantitative information. The Trust will also disseminate the Trust's holdings on a daily basis on the Trust's website. The price of bitcoin will be made available by one or more major market data vendors, updated at least every 15 seconds during Regular Trading Hours.

The NAV for the Trust will be calculated by the Administrator once a day and will be disseminated daily to all market participants at the same time. Quotation and last-sale information regarding the Shares will be disseminated through the facilities of the CTA.

Quotation and last sale information for bitcoin is widely disseminated through a variety of major market data vendors, including Bloomberg and Reuters. Information relating to trading, including price and volume information, in bitcoin is available from major market data vendors and from the exchanges on which bitcoin are traded. Depth of book information is also available from bitcoin exchanges. The normal trading hours for bitcoin exchanges are 24 hours per day, 365 days per year.

In sum, the Exchange believes that this proposal is consistent with the requirements of Section 6(b)(5) of the Act, that this filing sufficiently demonstrates that the CME Bitcoin Futures market represents a regulated market of significant size, and that on the whole the manipulation concerns previously articulated by the Commission are sufficiently mitigated to the point that they are outweighed by investor protection issues that would be resolved by approving this proposal.

The Exchange believes that the proposal is, in particular, designed to protect investors and the public interest. The investor protection issues for U.S. investors has grown significantly over the last several years, through roll costs for Bitcoin Futures ETFs and premium/discount volatility and management fees for OTC Bitcoin Funds. As discussed throughout, this growth investor protection concerns need to be reevaluated and rebalanced with the prevention of fraudulent and manipulative acts and practices concerns that previous disapproval orders have relied upon. Finally, the

Exchange notes that in addition to all of the arguments herein which it believes sufficiently establish the CME Bitcoin Futures market as a regulated market of significant size, it is logically inconsistent to find that the CME Bitcoin Futures market is a significant market as it relates to the CME Bitcoin Futures market, but not a significant market as it relates to the bitcoin spot market for the numerous reasons laid out above.

For the above reasons, the Exchange believes that the proposed rule change is consistent with the requirements of Section 6(b)(5) of the Act.

#### *B. Self-Regulatory Organization's Statement on Burden on Competition*

The Exchange does not believe that the proposed rule change will impose any burden on competition that is not necessary or appropriate in furtherance of the purpose of the Act. The Exchange notes that the proposed rule change, rather will facilitate the listing and trading of an additional exchange-traded product that will enhance competition among both market participants and listing venues, to the benefit of investors and the marketplace.

#### *C. Self-Regulatory Organization's Statement on Comments on the Proposed Rule Change Received From Members, Participants, or Others*

The Exchange neither solicited nor received comments on the proposed rule change.

### **III. Date of Effectiveness of the Proposed Rule Change and Timing for Commission Action**

Within 45 days of the date of publication of this notice in the **Federal Register** or within such longer period up to 90 days (i) as the Commission may designate if it finds such longer period to be appropriate and publishes its reasons for so finding or (ii) as to which the Exchange consents, the Commission will:

A. by order approve or disapprove such proposed rule change, or

B. institute proceedings to determine whether the proposed rule change should be disapproved.

### **IV. Solicitation of Comments**

Interested persons are invited to submit written data, views and arguments concerning the foregoing, including whether the proposed rule change is consistent with the Act. Comments may be submitted by any of the following methods:



*Electronic Comments*

- Use the Commission's internet comment form (<https://www.sec.gov/rules/sro.shtml>); or
- Send an email to [rule-comments@sec.gov](mailto:rule-comments@sec.gov). Please include file number SR-CboeBZX-2023-058 on the subject line.

*Paper Comments*

- Send paper comments in triplicate to Secretary, Securities and Exchange Commission, 100 F Street NE, Washington, DC 20549-1090.

All submissions should refer to file number SR-CboeBZX-2023-058. This file number should be included on the subject line if email is used. To help the Commission process and review your comments more efficiently, please use only one method. The Commission will post all comments on the Commission's internet website (<https://www.sec.gov/rules/sro.shtml>). Copies of the submission, all subsequent amendments, all written statements with respect to the proposed rule change that are filed with the Commission, and all written communications relating to the proposed rule change between the Commission and any person, other than those that may be withheld from the public in accordance with the provisions of 5 U.S.C. 552, will be available for website viewing and printing in the Commission's Public Reference Room, 100 F Street NE, Washington, DC 20549, on official business days between the hours of 10 a.m. and 3 p.m. Copies of the filing also will be available for inspection and copying at the principal office of the Exchange. Do not include personal identifiable information in submissions; you should submit only information that you wish to make available publicly. We may redact in part or withhold entirely from publication submitted material that is obscene or subject to copyright protection. All submissions should refer to file number SR-CboeBZX-2023-058 and should be submitted on or before September 13, 2023.

For the Commission, by the Division of Trading and Markets, pursuant to delegated authority.<sup>76</sup>

**Sherry R. Haywood,**  
*Assistant Secretary.*

[FR Doc. 2023-18103 Filed 8-22-23; 8:45 am]

**BILLING CODE 8011-01-P**

**SECURITIES AND EXCHANGE COMMISSION**

[Release No. 34-98158; File No. SR-BX-2023-020]

**Self-Regulatory Organizations; Nasdaq BX, Inc.; Notice of Filing and Immediate Effectiveness of Proposed Rule Change To Set Fees for the Purchase of Field-Programmable Gate Array Technology as an Optional Delivery Mechanism for BX TotalView**

August 17, 2023.

Pursuant to section 19(b)(1) of the Securities Exchange Act of 1934 ("Act"),<sup>1</sup> and Rule 19b-4 thereunder,<sup>2</sup> notice is hereby given that on August 9, 2023, Nasdaq BX, Inc. ("BX" or "Exchange") filed with the Securities and Exchange Commission ("SEC" or "Commission") the proposed rule change as described in Items I, II, and III, below, which Items have been prepared by the Exchange. The Commission is publishing this notice to solicit comments on the proposed rule change from interested persons.

**I. Self-Regulatory Organization's Statement of the Terms of Substance of the Proposed Rule Change**

The Exchange proposes to set fees for the purchase of field-programmable gate array ("FPGA") technology as an optional delivery mechanism for BX TotalView.

The text of the proposed rule change is available on the Exchange's website at <https://listingcenter.nasdaq.com/rulebook/bx/rules>, at the principal office of the Exchange, and at the Commission's Public Reference Room.

**II. Self-Regulatory Organization's Statement of the Purpose of, and Statutory Basis for, the Proposed Rule Change**

In its filing with the Commission, the Exchange included statements concerning the purpose of and basis for the proposed rule change and discussed any comments it received on the proposed rule change. The text of these statements may be examined at the places specified in Item IV below. The Exchange has prepared summaries, set forth in sections A, B, and C below, of the most significant aspects of such statements.

*A. Self-Regulatory Organization's Statement of the Purpose of, and Statutory Basis for, the Proposed Rule Change*

1. Purpose

The purpose of the proposed rule change is to establish a fee schedule for the purchase of field-programmable gate array ("FPGA") technology as an optional delivery mechanism for BX TotalView ("BX FPGA Service").<sup>3</sup> This follows a recently-filed proposal to offer FPGA technology as an optional delivery mechanism for BX TotalView.<sup>4</sup>

FPGA

FPGA is a hardware-based delivery mechanism that utilizes an integrated circuit that is programmed to reduce "jitter"—a technical term of art referring to the deviation in amplitude, phase timing or width of a signal pulse in a digital signal—that will allow data to be processed in a more predictable, or "deterministic," fashion. Reducing jitter can be useful for certain customers due to the variability in the timing of market data packets transmitted by an exchange over the course of the trading day. Orders, and therefore market data packets, typically accumulate in larger numbers at the beginning and end of the trading day, as well as during the peaks of activity that occur at random intervals during the day. These bursts of activity may alter the time interval between the delivery of data packets because software processes information at variable rates depending on load to the system. Processing times may increase at higher loads, and decrease during periods of lesser activity. FPGA technology processes data packets at a constant time interval, without regard to the number of packets processed. Higher levels of determinism mean less variable queuing, which improves the predictability of data transfer, particularly during times of peak market activity.

<sup>3</sup> This Proposal was initially filed by the Exchange on May 23, 2023. See Securities Exchange Act Release No. 97627 (May 31, 2023), 88 FR 37112 (June 6, 2023) (SR-BX-2023-014). On July 7, 2023, that filing was withdrawn and replaced to provide supplemental information. See Securities Exchange Act Release No. 97946 (July 19, 2023), 88 FR 47937 (July 25, 2023) (SR-BX-2023-016). On August 9, 2023, the second filing was withdrawn and replaced with the instant filing, which provides additional information without changing the Proposal in substance.

<sup>4</sup> See SR-BX-2023-011 ("A proposal to offer field-programmable gate array ('FPGA') technology as an optional delivery mechanism for BX TotalView."), available at <https://listingcenter.nasdaq.com/rulebook/BX/rulefilings>. A proposal to establish a fee schedule for the use of FPGA technology for the Phlx exchange is being filed concurrently with this proposal.

<sup>1</sup> 15 U.S.C. 78s(b)(1).

<sup>2</sup> 17 CFR 240.19b-4.

<sup>76</sup> 17 CFR 200.30-3(a)(12).