

All submissions should refer to file number SR–C2–2024–012. 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–C2–2024–012 and should be submitted on or before July 22, 2024.

For the Commission, by the Division of Trading and Markets, pursuant to delegated authority.¹⁷

Vanessa A. Countryman,
Secretary.

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SECURITIES AND EXCHANGE COMMISSION

[Release No. 34–100420; File No. SR–CboeBZX–2023–101]

Self-Regulatory Organizations; Cboe BZX Exchange, Inc.; Notice of Filing of Amendment No. 1 to a Proposed Rule Change To List and Trade Shares of the Pando Asset Spot Bitcoin Trust Under BZX Rule 14.11(e)(4), Commodity-Based Trust Shares

June 25, 2024.

On December 5, 2023, Cboe BZX Exchange, Inc. (“BZX” or “Exchange”) filed with the Securities and Exchange

Commission (“Commission” or “SEC”), pursuant to Section 19(b)(1) of the Securities Exchange Act of 1934 (“Act”) ¹ and Rule 19b–4 thereunder,² a proposed rule change to list and trade shares (“Shares”) of the Pando Asset Spot Bitcoin Trust under BZX Rule 14.11(e)(4), Commodity-Based Trust Shares. The proposed rule change was published for comment in the **Federal Register** on December 22, 2023.³ On February 1, 2024, pursuant to Section 19(b)(2) of the Act,⁴ the Commission designated a longer period within which to approve the proposed rule change, disapprove the proposed rule change, or institute proceedings to determine whether to disapprove the proposed rule change.⁵ On March 21, 2024, the Commission instituted proceedings under Section 19(b)(2)(B) of the Act ⁶ to determine whether to approve or disapprove the proposed rule change.⁷ On June 6, 2024, the Commission designated a longer period for Commission action on the proposed rule change.⁸ On June 24, 2024, the Exchange filed Amendment No. 1 to the proposed rule change as described in Items I and II below, which Items have been prepared by the Exchange. Amendment No. 1 amended and replaced the proposed rule change in its entirety. The Commission is publishing this notice to solicit comments on the proposed rule change, as modified by Amendment No. 1, 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 Pando Asset Spot Bitcoin Trust (the “Trust”),⁹ 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

¹ 15 U.S.C. 78s(b)(1).

² 17 CFR 240.19b–4.

³ See Securities Exchange Act Release No. 99197 (Dec. 18, 2023), 88 FR 88668. Comments on the proposed rule change are available at <https://www.sec.gov/comments/sr-cboebzx-2023-101/sr-cboebzx2023101.htm>.

⁴ 15 U.S.C. 78s(b)(2).

⁵ See Securities Exchange Act Release No. 99460, 89 FR 8472 (Feb. 7, 2024).

⁶ 15 U.S.C. 78s(b)(2)(B).

⁷ See Securities Exchange Act Release No. 99833, 89 FR 21310 (Mar. 27, 2024).

⁸ See Securities Exchange Act Release No. 100289, 89 FR 49926 (June 12, 2024).

⁹ The Trust was formed as a Delaware statutory trust on November 16, 2023, and is operated as a grantor trust for U.S. Federal tax purposes. The Trust has no fixed termination date.

(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

This Amendment No. 1 to SR–CboeBZX–2023–101 amends and replaces in its entirety the proposal as originally submitted on December 5, 2023. The Exchange submits this Amendment No. 1 in order to clarify certain points and add additional details to the proposal.

The Exchange proposes to list and trade the Shares under BZX Rule 14.11(e)(4),¹⁰ which governs the listing and trading of Commodity-Based Trust Shares on the Exchange.¹¹ Pando Asset AG is the Sponsor (“Sponsor”). The Shares will be registered with the Commission by means of the Trust’s registration statement on Form S–1 (the “Registration Statement”).¹² Coinbase Custody Trust Company, LLC (the “Bitcoin Custodian”), which is a third-party U.S.-based trust company and

¹⁰ 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).

¹¹ Any of the statements or representations regarding the index composition, the description of the portfolio or reference assets, limitations on portfolio holdings or reference assets, dissemination and availability of index, reference asset, intraday indicative values, and Verified Intraday Indicative Values (as applicable), or the applicability of Exchange listing rules specified in any filing to list a series of Other Securities (collectively, “Continued Listing Representations”) shall constitute continued listing requirements for the securities listed on the Exchange.

¹² See Form S–1 Registration Statement filed on November 29, 2023 (Registration No. 333–275781). 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.

¹⁷ 17 CFR 200.30–3(a)(12).

qualified custodian, will be responsible for custody of the Trust's bitcoin holdings and U.S. Bank will be the custodian for the Trust's cash holdings, if any (the "Cash Custodian" and together with the Bitcoin Custodian, the "Custodians").

As further discussed below, the Commission has historically approved or disapproved exchange filings to list and trade series of Trust Issued Receipts,¹³ 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.¹⁴ 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.¹⁵

¹³ See Exchange Rule 14.11(f)(1).

¹⁴ 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").

¹⁵ 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 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)); APMEX 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–

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 exchange-traded products ("ETPs") are generally unregulated and that the Commission relied on the underlying futures market as the regulated market of significant size that formed the basis for approving the series of Currency¹⁶ 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."¹⁷

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 an underlying market for a spot commodity or currency being a regulated market would actually 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 underlying futures market in order to determine whether such products were consistent with the Act. With this in mind, the Chicago

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).

¹⁶ See Exchange Rule 14.11(e)(5).

¹⁷ See Winklevoss Order at 37592.

Mercantile Exchange (“CME”) bitcoin futures (“Bitcoin Futures”) market is the proper 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 1933.¹⁸ 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; a position that represents a departure from 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. In the recently decided *Grayscale Investments, LLC v. Securities and Exchange Commission*,¹⁹ however, the court addressed this conflict by finding that the SEC had failed to provide a coherent explanation as to why it had approved the Bitcoin Futures ETPs while disapproving the proposal to list and trade shares of the Grayscale Bitcoin Trust and vacating the disapproval order.²⁰ 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, consistent with the Teucrium precedent and in view of the court’s findings relating to the Grayscale Order.

Finally, as discussed in greater detail below, by using professional custodians and other service providers, the Trust provides investors interested in exposure to bitcoin via the securities markets with important protections that are not always available to investors that invest directly in bitcoin, including protection against counterparty insolvency, cyber attacks, and other risks. For example, an exchange-traded vehicle such as the Trust, which will be subject to the registration and periodic reporting requirements of the 1933 Act and the Exchange Act, would offer U.S.

investors an alternative to directing their bitcoin investments into loosely regulated offshore vehicles (including loosely regulated centralized trading platforms that have since faced bankruptcy proceedings or other insolvencies).

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 ETP to provide exposure to bitcoin in the U.S. was submitted by the Exchange on June 30, 2016.²¹ At that time, blockchain technology, and digital assets that utilized it, were relatively new to the broader public. The market capitalization 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 offering had not begun to develop.²² Similarly, regulated U.S. Bitcoin Futures contracts did not exist. The CFTC had determined that bitcoin is a commodity,²³ 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, 2016.²⁴ While the first over-the-counter bitcoin fund launched in 2013, public trading was limited and the fund had only \$60 million in assets.²⁵ 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 (“ICI”) and Securities Industry and Financial Markets Association (“SIFMA”) that it was not aware, at that time, of a single custodian providing fund custodial services for digital assets.²⁶ The digital assets financial ecosystem, including bitcoin, has progressed significantly in the intervening years. 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 securities²⁷ and shares in investment vehicles holding Bitcoin Futures.²⁸ Additionally, licensed and regulated service providers have emerged to provide fund custodial services for digital assets, among other

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.”

²⁴ 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.

²⁵ Data as of March 31, 2016 according to publicly available filings. See Bitcoin Investment Trust Form S-1, dated May 27, 2016, available: <https://www.sec.gov/Archives/edgar/data/1588489/000095012316017801/filename1.htm>.

²⁶ 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>.

²⁷ 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.

²⁸ See Prospectus filed by Stone Ridge Trust VI on behalf of NYDIG Bitcoin Strategy Trust Registration, available at: <https://www.sec.gov/Archives/edgar/data/1764894/000119312519309942/d693146d497.htm>.

²¹ See Winklevoss Order.

²² 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.

²³ 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

¹⁸ See Exchange Act Release No. 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”).

¹⁹ *Grayscale Investments, LLC v. Securities and Exchange Commission*, et al., Case No. 22–1142 (the “Grayscale Order”).

²⁰ *Id.*

discounts;⁴² (iii) purchasing shares of operating companies that they believe will provide proxy exposure to bitcoin with limited disclosure about the associated risks;⁴³ or (iv) purchasing Bitcoin Futures exchange-traded funds (“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 exchange listed and traded products (including ETFs holding physical bitcoin) to gain exposure to bitcoin. Similarly, investors in Switzerland and across Europe have access to ETPs which trade on regulated exchanges and provide exposure to a broad array of spot crypto assets. U.S. investors, by contrast, are left with

⁴² 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 Funds 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 Funds 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 Funds, meaning that even investors that do not directly buy OTC Bitcoin Funds can be disadvantaged by extreme premiums (or discounts) and premium/discount volatility.

⁴³ 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>.

fewer and more risky means of getting bitcoin exposure, as described above.⁴⁴

To this point, the lack of a Spot Bitcoin ETP exposes U.S. investor assets to significant risk because investors that would otherwise seek crypto asset exposure through a Spot Bitcoin ETP are forced to find alternative exposure through generally riskier means. For instance, many U.S. investors that held their digital assets in accounts at FTX,⁴⁵ Celsius Network LLC,⁴⁶ BlockFi Inc.,⁴⁷ and Voyager Digital Holdings, Inc.⁴⁸ 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. To this point, approval of a Spot Bitcoin ETP would represent a major win for the protection of U.S. investors in the crypto asset 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 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. as a viable alternative, U.S. investors could seek to purchase shares of non-U.S. bitcoin vehicles in order to get access to bitcoin exposure. Given the separate regulatory regime and the potential difficulties associated with any international litigation, such an arrangement would create more risk exposure 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 a U.S.-listed and regulated product to provide such access rather than

⁴⁴ 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.

⁴⁵ See FTX Trading Ltd., et al., Case No. 22–11068.

⁴⁶ See Celsius Network LLC, et al., Case No. 22–10964.

⁴⁷ See BlockFi Inc., Case No. 22–19361.

⁴⁸ See Voyager Digital Holdings, Inc., et al., Case No. 22–10943.

relying on either more expensive, riskier U.S. based products or products listed and primarily regulated in other countries.

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 an investment 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.⁴⁹ Leaving aside the analysis of that standard until later in this proposal,⁵⁰ the Exchange believes that the following rationale the Commission applied to a Bitcoin Futures ETF should result in the

⁴⁹ 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 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.

⁵⁰ 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.

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.⁵¹

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 “Grayscale lawsuit”⁵² 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 and notes that the pricing mechanism applicable to the Shares is similar to that of the CME Bitcoin Futures.

The structure of Bitcoin Futures ETFs provides negative outcomes for buy and hold investors as compared to a Spot Bitcoin ETP.⁵³ Specifically, the cost of

rolling CME Bitcoin Futures contracts will cause the Bitcoin Futures ETFs to lag the performance of bitcoin itself and would cost U.S. investors significant amounts of money on an annual basis compared to Spot Bitcoin ETPs. Such rolling costs would not be required for Spot Bitcoin ETPs that hold bitcoin. Further, Bitcoin Futures ETFs could potentially hit CME position limits, which would force a Bitcoin Futures ETF to invest in non-futures assets for bitcoin exposure and cause potential investor confusion and lack of certainty about what such Bitcoin Futures ETFs are actually holding to try to get exposure to bitcoin, which would also materially change the risk profile associated with such an ETF. While Bitcoin Futures ETFs represent a useful trading tool, they are clearly sub-optimal as the sole exchange traded vehicle structure for U.S. investors that are looking for long-term exposure to bitcoin and could, based on the calculations above, unnecessarily cost U.S. investors significant amounts of money every year compared to Spot Bitcoin ETPs. The Exchange believes that any proposal to list and trade a Spot Bitcoin ETP should be reviewed by the Commission with this important investor protection context in mind.

Based on the foregoing, the Exchange and Sponsor believe that an objective review of the proposals to list Spot Bitcoin ETPs compared to and in view of the Bitcoin Futures ETFs and the Bitcoin Futures Approvals as well as limitations of existing approved product structures, would lead to the conclusion that Spot Bitcoin ETPs would benefit U.S. investors and should be available to U.S. investors. As such, this proposal and other comparable proposals to list and trade Spot Bitcoin ETPs should be approved by the Commission. In summary, U.S. investors 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.⁵⁴ 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.⁵⁵

⁵⁴ According to CME, the CME CF Bitcoin Reference Rate aggregates the trade flow of major bitcoin spot trading platforms during a specific calculation window into a once-a-day reference rate of the U.S. dollar price of bitcoin. Calculation rules are geared toward maximum transparency and real-time replicability in underlying spot markets, including Bitstamp, Coinbase, Gemini, itBit, Kraken, and LMAX Digital. For additional information, refer to <https://www.cmegroup.com/trading/cryptocurrency-indices/cf-bitcoin-reference-rate.html?redirect=/trading/cf-bitcoin-reference-rate.html>.

⁵⁵ Source: CME, Yahoo Finance 4/30/23.

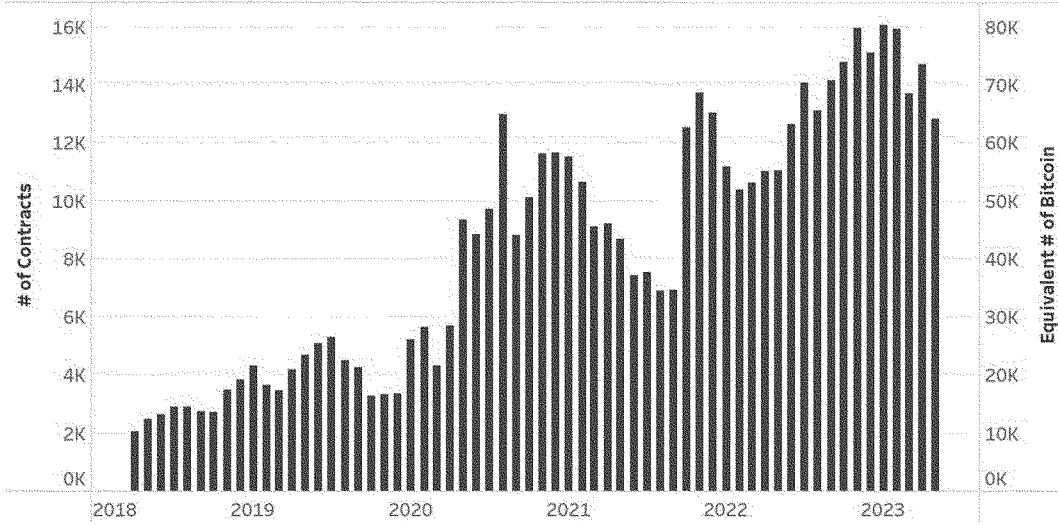
⁵¹ See Teucrium Approval at 21679.

⁵² *Grayscale Investments, LLC v. Securities and Exchange Commission*, et al., Case No. 22-1142.

⁵³ 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.fjXz9eAQW9zol0qpzhXDrrlpIVdoCloLXblj44-1635476946-0-gqNtZGzNpCjcnBszQqI](https://www.etf.com/sections/blog/physical-bitcoin-etf-prospects-shine?nopaging=1&_cf_chl_jschl_tk__=pmd_jsK.fjXz9eAQW9zol0qpzhXDrrlpIVdoCloLXblj44-1635476946-0-gqNtZGzNpCjcnBszQqI).

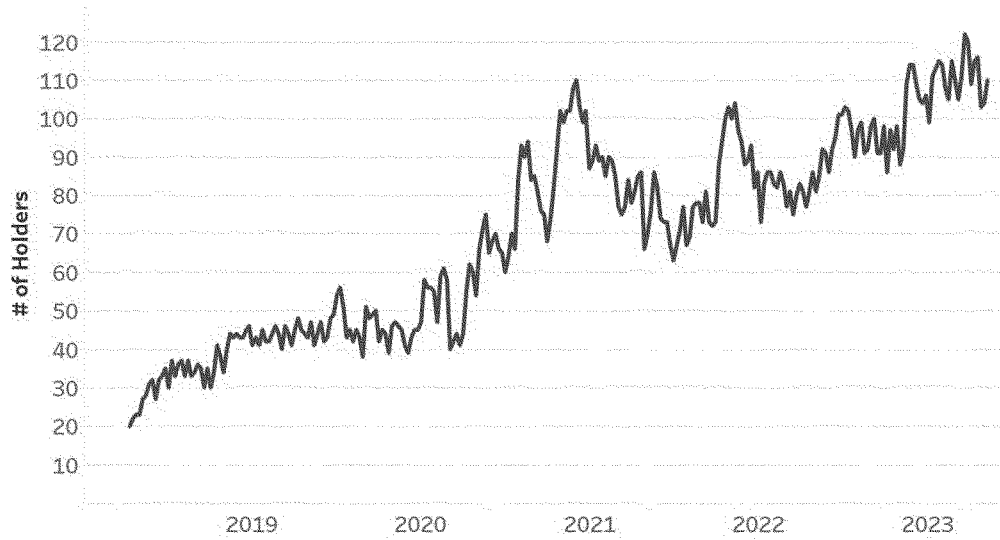
CME Bitcoin Futures Open Interest (OI)



The number of large open interest holders⁵⁶ 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)

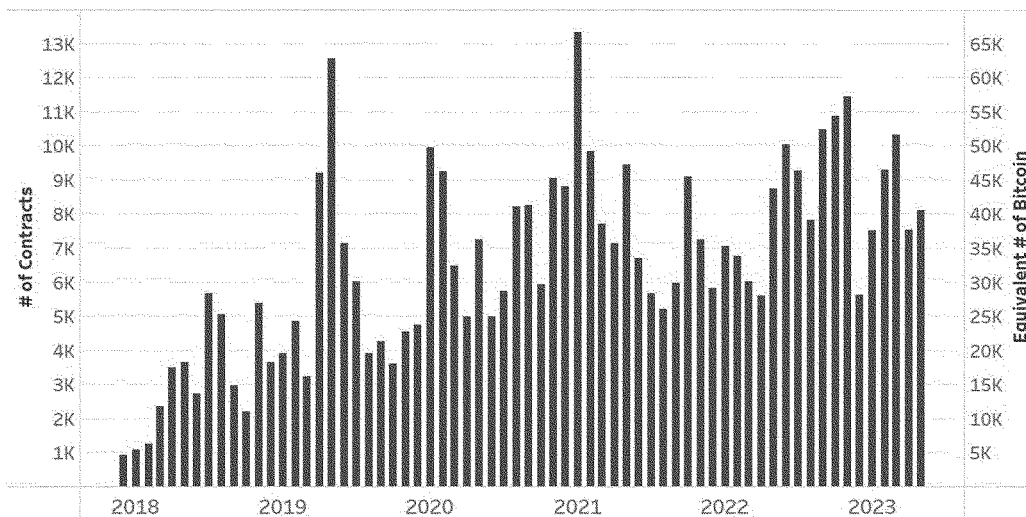


⁵⁶ A large open interest holder in Bitcoin Futures is an entity that holds at least 25 contracts, which

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)



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.⁵⁷

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

The Commission has approved numerous series of Trust Issued Receipts,⁵⁸ including Commodity-Based

⁵⁷ 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 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.”

⁵⁸ See Exchange Rule 14.11(f).

Trust Shares,⁵⁹ 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;⁶⁰ and

⁵⁹ Commodity-Based Trust Shares, as described in Exchange Rule 14.11(e)(4), are a type of Trust Issued Receipt.

⁶⁰ 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 trading platforms 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 trading platforms 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 trading platform 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.

(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 place⁶¹ with a regulated

⁶¹ 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 the Intermarket Surveillance Group (“ISG”).⁶² 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.⁶³

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.⁶⁴

(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 Index⁶⁵) 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 Index is based on spot prices. As such, the

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 Securities Exchange Act Release No. 88284 (February 26, 2020), 85 FR 12595 (March 3, 2020) (SR–NYSEArca–2019–39) (the “Wilshire Phoenix Disapproval”).

⁶² For a list of the current members and affiliate members of ISG, see www.isgportal.com.

⁶³ See Wilshire Phoenix Disapproval.

⁶⁴ 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.

⁶⁵ As further described below, the “Index” for the Trust is the CME CF Bitcoin Reference Rate.

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 trading of 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 influencing prices in the Bitcoin Futures market or spot market for a number of reasons, including the significant daily trading volume in the Bitcoin Futures market, the size of bitcoin’s market capitalization, 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. As the court found in the Grayscale Order, the Exchange and the Sponsor submit that “[b]ecause the spot market is deeper and more liquid than the futures market, manipulation should be more difficult, not less.”

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

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.

(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 including in connection with 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 for this proposal 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 to access bitcoin in a regulated and transparent exchange-traded vehicle that would act to limit risk and benefit U.S. investors by: (i) reducing premium and discount volatility as compared to OTC investment vehicles; (ii) increasing competitive pressure on management fees resulting in fee compression/reductions; (iii) reducing risks and costs as compared to those associated with investing in Bitcoin Futures ETFs and operating companies that represent imperfect proxies for bitcoin exposure; and (iv) providing an alternative to custodial spot bitcoin.

Pando Asset Spot Bitcoin Trust

Wilmington Trust is the trustee (“Trustee”). The Bitcoin Custodian will be responsible for safekeeping of the Trust’s bitcoin. U.S. Bank serves as the Trust’s administrator (the “Administrator”), transfer agent (the “Transfer Agent”), and will act as the Cash Custodian of the Trust’s cash and cash equivalents.⁶⁶ As noted above, Coinbase Custody Trust Company, LLC is the Bitcoin Custodian and will be responsible for safekeep of the Trust’s bitcoin.

According to the Registration Statement, each Share will represent a fractional undivided beneficial interest in the Trust. The Trust’s assets will consist only of bitcoin, cash, and cash equivalents.

According to the Registration Statement, the Trust is neither an investment company registered under the Investment Company Act of 1940, as amended,⁶⁷ 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. The Trust will not acquire and will disclaim any incidental right (“IR”) or IR asset received, for example as a result of forks or airdrops, and such assets will not be taken into account for purposes of determining NAV.

When the Trust sells or redeems its Shares, it will do so in cash transactions in blocks of 5,000 Shares (a “Creation Basket”) at the Trust’s net asset value (“NAV”). Authorized participants will deliver, or facilitate the delivery of, cash to the Trust’s account with the Cash Custodian in exchange for Shares when they purchase Shares, and the Trust, through the Cash Custodian, will deliver cash to such authorized participants

⁶⁶ Cash equivalents are short-term instruments with maturities of less than 3 months.

⁶⁷ 15 U.S.C. 80a–1.

when they redeem Shares. 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 generally reflect the performance of the price of bitcoin before payment of the Trust's expenses. In seeking to achieve its investment objective, the Trust will hold only bitcoin, cash, and cash equivalents. The Trust will value its Shares daily based on the value of bitcoin as reflected by the Index, which is an independently calculated value based on an aggregation of executed trade flow of major bitcoin spot trading platforms. Specifically, the Index is calculated based on certain transactions of all of its constituent bitcoin trading platforms, which are currently Bitstamp, Coinbase, itBit, Kraken, Gemini, and LMAX Digital, and which may change from time to time. 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.⁶⁸

The Index

As described in the Registration Statement, the Trust will value its Shares daily based on the value of bitcoin as reflected by the Index. The Index is calculated daily and aggregates the notional value of bitcoin trading activity across major bitcoin spot trading platforms. The Index uses the same methodology as the CME CF Bitcoin Reference Rate ("BRR"), including utilizing the same constituent bitcoin trading platforms, which is the underlying rate to determine settlement of CME Bitcoin Futures contracts, except that the Index is calculated as of 4 p.m. ET, whereas the BRR is calculated as of 4 p.m. London time. The Index is designed based on the International Organization of Securities Commissions ("IOSCO") Principals for Financial Benchmarks. The

administrator of the Index is CF Benchmarks Ltd. (the "Index Provider").

The Index was created to facilitate financial products based on bitcoin. It serves as a once-a-day benchmark rate of the U.S. dollar price of bitcoin (USD/BTC), calculated as of 4:00 p.m. ET. The Index, which has been calculated and published since February 28, 2022, aggregates the trade flow of several bitcoin trading platforms, during an observation window between 3:00 p.m. and 4:00 p.m. ET into the U.S. dollar price of one bitcoin at 4:00 p.m. ET. Specifically, the Index is calculated based on the "Relevant Transactions" (as defined below) of all of its constituent bitcoin trading platforms, which are currently Coinbase, Bitstamp, Kraken, itBit, LMAX Digital and Gemini (the "Constituent Platforms"), as follows:

- All Relevant Transactions are added to a joint list, recording the time of execution, trade price and size for each transaction.
- The list is partitioned by timestamp into 12 equally-sized time intervals of 5 (five) minute length.
- For each partition separately, the volume-weighted median trade price is calculated from the trade prices and sizes of all Relevant Transactions, *i.e.*, across all Constituent Platforms. A volume-weighted median differs from a standard median in that a weighting factor, in this case trade size, is factored into the calculation.
- The Index is then determined by the equally-weighted average of the volume medians of all partitions.

The Index does not include any futures prices in its methodology. A "Relevant Transaction" is any cryptocurrency versus U.S. dollar spot trade that occurs during the observation window between 3:00 p.m. and 4:00 p.m. ET on a Constituent Platform in the BTC/USD pair that is reported and disseminated by a Constituent Platform through its publicly available Application Programming Interface and observed by the Index Provider.

The Sponsor believes that the use of the Index is reflective of a reasonable valuation of the average spot price of bitcoin and that resistance to manipulation is a priority aim of its design methodology. The methodology: (i) takes an observation period and divides it into equal partitions of time; (ii) then calculates the volume-weighted median of all transactions within each partition; and (iii) the value is determined from the arithmetic mean of the volume-weighted medians, equally weighted. By employing the foregoing steps, the Index thereby seeks to ensure that transactions in bitcoin conducted at

outlying prices do not have an undue effect on the value of the Index, large trades or clusters of trades transacted over a short period of time will not have an undue influence on the Index value, and the effect of large trades at prices that deviate from the prevailing price are mitigated from having an undue influence on the Index value.

In addition, the Sponsor notes that an oversight function is implemented by the Index Provider in seeking to ensure that the Index is administered through codified policies for Index integrity.

Index data and the description of the Index are based on information made publicly available by the Index Provider on its website at <https://www.cfbenchmarks.com>.

Net Asset Value

NAV means the total assets of the Trust (which includes bitcoin, cash and cash equivalents) less total liabilities of the Trust. The Administrator will determine the NAV of the Trust on each day that the Exchange is open for regular trading, as promptly as practical after 4:00 p.m. ET. The NAV of the Trust is the aggregate value of the Trust's assets less its estimated accrued but unpaid liabilities (which include accrued expenses). In determining the Trust's NAV, the Administrator values the bitcoin held by the Trust based on the price set by the Index as of 4:00 p.m. ET. The Administrator also determines the NAV per Share.

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.

Availability of Information

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 per Share and the reported BZX Official Closing Price;⁶⁹ (b) the BZX Official Closing Price in relation to the NAV per Share as of the time the NAV is calculated and a calculation of the premium or discount of such price against such NAV per Share; (c) data in chart form displaying the frequency distribution of discounts and premiums of the BZX Official Closing Price against the NAV per Share, 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 aforementioned

⁶⁸ Any alternative method will only be employed on an ad hoc basis. Any permanent change to the calculation of the NAV would require a proposed rule change under Rule 19b-4.

⁶⁹ 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.

information will be published as of the close of business available on the Trust's website at <https://puglisiassoc.com>, or any successor thereto. The Trust will also disseminate its holdings on a daily basis on its website.

The Intraday Indicative Value ("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, which is based on the CME CF Bitcoin Real Time Index ("BRTI"). 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 through the facilities of the consolidated tape association (CTA) and Consolidated Quotation System (CQS) high speed lines. In addition, the IIV will be available through on-line information services such as Bloomberg and Reuters.

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.

As noted above, the Index is calculated daily and aggregates the notional value of bitcoin trading activity across major bitcoin spot trading platforms. Index data, the Index value, and the description of the Index are based on information made publicly available by the Index Provider on its website at <https://www.cfbenchmarks.com>.

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 trading platforms on which bitcoin are traded. Depth of book information is also available from bitcoin trading platforms. The normal trading hours for bitcoin trading platforms are 24 hours per day, 365 days per year.

Information regarding market price and trading volume of the Shares will be continually available on a real-time basis throughout the day on brokers' computer screens and other electronic services. Information regarding the previous day's BZX Official Closing Price and trading volume information for the Shares will be published daily in the financial section of newspapers. Quotation and last-sale information

regarding the Shares will be disseminated through the facilities of the CTA.

The Bitcoin Custodian

The Bitcoin Custodian carefully considers the design of the physical, operational and cryptographic systems for secure storage of the Trust's private keys in an effort to lower the risk of loss or theft. The Bitcoin Custodian utilizes a variety of security measures to ensure that private keys necessary to transfer digital assets remain uncompromised and that the Trust maintains exclusive ownership of its assets. The Bitcoin Custodian will keep a substantial portion of the private keys associated with the Trust's bitcoin in "cold storage"⁷⁰ or similarly secure technology (the "Cold Vault Balance"). The hardware, software, systems, and procedures of the Bitcoin Custodian may not be available or cost-effective for many investors to access directly. Only specific individuals are authorized to participate in the custody process, and no individual acting alone will be able to access or use any of the private keys. In addition, no combination of the executive officers of the Sponsor, acting alone or together, will be able to access or use any of the private keys that hold the Trust's bitcoin.

Creation and Redemption of Shares

When the Trust sells or redeems its Shares, it will do so in cash transactions in blocks of 5,000 Shares that are based on the quantity of bitcoin attributable to each Share of the Trust (e.g., a Creation Basket) at the NAV. The authorized participants will deliver only cash to create Shares and will receive only cash when redeeming Shares. Further, authorized participants will not directly or indirectly purchase, hold, deliver, or receive bitcoin as part of the creation or redemption process or otherwise direct the Trust or a third party with respect to purchasing, holding, delivering, or receiving bitcoin as part of the creation or redemption process. The Trust will create Shares by receiving bitcoin from a third party that is not the authorized participant and the Trust—not the authorized participant—is responsible for selecting the third party to deliver the bitcoin. Further, the third party will

⁷⁰ 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.

not be acting as an agent of the authorized participant with respect to the delivery of the bitcoin to the Trust or acting at the direction of the authorized participant with respect to the delivery of the bitcoin to the Trust. The Trust will redeem shares by delivering bitcoin to a third party that is not the authorized participant and the Trust—not the authorized participant—is responsible for selecting the third party to receive the bitcoin. Further, the third party will not be acting as an agent of the authorized participant with respect to the receipt of the bitcoin from the Trust or acting at the direction of the authorized participant with respect to the receipt of the bitcoin from the Trust.

According to the Registration Statement, on any business day, an authorized participant may place an order to create one or more Creation Baskets. Purchase orders for cash transaction Creation Baskets 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 cash required is based on the combined NAV of the number of Shares included in the Creation Baskets being created determined as of 4:00 p.m. ET on the date the order to purchase is properly received. The Administrator determines the quantity of bitcoin associated with a Creation Basket for a 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 Basket.

The procedures by which an authorized participant can redeem one or more Creation Baskets mirror the procedures for the creation of Creation Baskets.

The Sponsor (including its delegates) will maintain ownership and control of the Trust's bitcoin in a manner consistent with good delivery requirements for spot commodity transactions.

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 represents that, for initial and continued listing, the Trust must be in compliance with Rule 10A-3 under the Act. A minimum of

100,000 Shares will be outstanding at the commencement of listing on the Exchange. The Exchange will obtain a representation that the NAV will be calculated daily and information about the NAV and 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 (1) a specified commodity⁷¹ deposited with the trust, or (2) a specified commodity and, in addition to such specified commodity, cash; (b) issued by such trust in a specified aggregate minimum number in return for a deposit of a quantity of the underlying commodity and/or cash; 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 and/or cash.

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.

The Exchange is able to obtain information regarding trading in the Shares and the underlying bitcoin, Bitcoin Futures contracts, options on Bitcoin Futures, or any other bitcoin derivative through members acting as registered Market Makers, in connection with their proprietary or customer trades.

As a general matter, the Exchange has regulatory jurisdiction over its members, and their associated persons. The Exchange also has regulatory jurisdiction over any person or entity controlling a member, as well as a subsidiary or affiliate of a member that is in the securities business. A subsidiary or affiliate of a member organization that does business only in commodities would not be subject to Exchange jurisdiction, but the Exchange could obtain information regarding the activities of such subsidiary or affiliate through surveillance sharing agreements with regulatory organizations of which such subsidiary or affiliate is a member.

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.

If the IIV or the value of the Index is not being disseminated as required, the Exchange may halt trading during the day in which the interruption to the dissemination of the IIV or the value of the Index occurs. If the interruption to the dissemination of the IIV or the value of the Index persists past the trading day in which it occurred, the Exchange will halt trading no later than the beginning of the trading day following the interruption.

In addition, if the Exchange becomes aware that the NAV with respect to the Shares is not disseminated to all market participants at the same time, it will halt trading in the Shares until such time as the NAV is available to all market participants.

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. The Shares of the Trust will conform to the initial and continued listing criteria set forth in BZX Rule 14.11(e)(4).

Surveillance

The Exchange represents 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

⁷¹ 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*.

Commodity-Based Trust Shares. FINRA conducts certain cross-market surveillances on behalf of the Exchange pursuant to a regulatory services agreement. The Exchange is responsible for FINRA's performance under this regulatory services agreement.

The Exchange or FINRA, on behalf of the Exchange, or both, will communicate as needed regarding trading in the Shares, CME Bitcoin Futures, or any other bitcoin derivative with other markets and other entities that are members of the ISG, and the Exchange, or FINRA on behalf of the Exchange, or both, may obtain trading information regarding trading in the Shares, CME Bitcoin Futures, or any other bitcoin derivative from such markets and other entities.⁷² The Exchange may obtain information regarding trading in the Shares, CME Bitcoin Futures, or any other bitcoin derivative 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.

In addition, the Exchange also has a general policy prohibiting the distribution of material, non-public information by its employees.

The Sponsor 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.

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. Specifically, the Information Circular will discuss the following: (i) the procedures for the creation and redemption of Creation 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

⁷² For a list of the current members and affiliate members of ISG, see www.isgportal.com.

outside of Regular Trading Hours⁷³ 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. The Information Circular will also reference the fact that there is no regulated source of last sale information regarding bitcoin, that the Commission has no jurisdiction over the trading of bitcoin as a commodity, and that the CFTC has regulatory jurisdiction over the trading of CME Bitcoin Futures contracts and options on CME Bitcoin Futures contracts.

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 Act⁷⁴ in general and Section 6(b)(5) of the Act⁷⁵ 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;⁷⁶ and

⁷³ Regular Trading Hours is the time between 9:30 a.m. and 4:00 p.m. Eastern time.

⁷⁴ 15 U.S.C. 78f.

⁷⁵ 15 U.S.C. 78f(b)(5).

⁷⁶ 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

(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, in conjunction with precedent filings, 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 place⁷⁷ with a regulated

“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 and impractical. To the extent that there are bitcoin trading platforms 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 trading platform 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 trading platform 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.

⁷⁷ 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

Continued

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.⁷⁸

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.⁷⁹

(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 Index is based on spot prices. As such, the

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).

⁷⁸ *Id.*

⁷⁹ 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.

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 influence on prices in the Bitcoin Futures market or spot market for a number of reasons, including the significant daily trading volume in the Bitcoin Futures market, the size of bitcoin’s market capitalization, 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. As the court found in the Grayscale Order, the Exchange and the Sponsor submit that “[b]ecause the spot market is deeper and more liquid than the futures market, manipulation should be more difficult, not less.”

(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 in this case, in addition to the existence of a surveillance sharing agreement that meets the Commission’s previously articulated standards.

(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 including in connection with 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 for this proposal 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 to access bitcoin in a regulated and transparent exchange-traded vehicle that would act to limit risk and benefit U.S. investors by: (i) reducing premium and discount volatility as compared to OTC investment vehicles; (ii) increasing competitive pressure on management fees resulting in fee compression/reductions; (iii) reducing risks and costs as compared to those associated with investing in Bitcoin Futures ETFs and operating companies that represent 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 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. 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 per Share and the reported BZX Official Closing Price; (b) the BZX Official Closing Price⁸⁰ in relation to the NAV per Share as of the time the NAV is calculated and a calculation of the premium or discount of such price against such NAV per Share; (c) data in chart form displaying the frequency distribution of discounts and premiums of the BZX Official Closing Price against the NAV per Share, 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 aforementioned information will be published as of the close of business available on the Trust's website at <https://puglisiassoc.com/>, or any successor thereto. The Trust will also disseminate its holdings on a daily basis on its website.

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, which is based on the CME CF Bitcoin Real Time Index ("BRTI"). 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 through the facilities of the consolidated tape association (CTA) and Consolidated Quotation System (CQS) high speed lines. In addition, the IIV will be available through on-line information services such as Bloomberg and Reuters.

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.

As noted above, the Index is calculated daily and aggregates the notional value of bitcoin trading activity across major bitcoin spot trading platforms. Index data, the Index value, and the description of the Index are based on information made publicly available by the Index Provider on its website at <https://www.cfbenchmarkmarks.com>.

⁸⁰ 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.

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 trading platforms on which bitcoin are traded. Depth of book information is also available from bitcoin trading platforms. The normal trading hours for bitcoin trading platforms are 24 hours per day, 365 days per year.

Information regarding market price and trading volume of the Shares will be continually available on a real-time basis throughout the day on brokers' computer screens and other electronic services. Information regarding the previous day's BZX Official Closing Price and trading volume information for the Shares will be published daily in the financial section of newspapers. Quotation and last-sale information regarding the Shares will be disseminated through the facilities of the CTA.

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 herein, 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. 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.

Finally, the Exchange believes this proposal should be approved as it is similar to other proposals to list spot bitcoin ETFs, which were recently approved by the Commission.⁸¹

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. Solicitation of Comments

Interested persons are invited to submit written data, views and arguments concerning the foregoing, including whether the proposed rule change, as modified by Amendment No. 1, 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. Please include file number SR-CboeBZX-2023-101 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-2023-101. 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

⁸¹ See Securities Exchange Act Release No. 99306 (January 10, 2024) 89 FR 3008 (January 17, 2024) (Order Granting Accelerated Approval of Proposed Rule Changes, as Modified by Amendments Thereto, To List and Trade Bitcoin-Based Commodity-Based Trust Shares and Trust Units).

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-2023-101 and should be submitted on or before July 22, 2024.

For the Commission, by the Division of Trading and Markets, pursuant to delegated authority.⁸²

Vanessa A. Countryman,
Secretary.

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SECURITIES AND EXCHANGE COMMISSION

[Release No. 34-100421; File No. SR-NYSE-2024-37]

Self-Regulatory Organizations; New York Stock Exchange LLC; Notice of Filing and Immediate Effectiveness of Proposed Rule Change To Amend the Connectivity Fee Schedule

June 25, 2024.

Pursuant to Section 19(b)(1)¹ of the Securities Exchange Act of 1934 ("Act")² and Rule 19b-4 thereunder,³ notice is hereby given that on June 12, 2024, New York Stock Exchange LLC ("NYSE" or the "Exchange") filed with the Securities and Exchange Commission (the "Commission") the proposed rule change as described in Items I and II below, which Items have

been prepared by the self-regulatory organization. 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 amend the Connectivity Fee Schedule ("Fee Schedule") regarding colocation services and fees to provide Users with wireless connectivity to additional market data feeds. The proposed rule change is available on the Exchange's website at www.nyse.com, 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 self-regulatory organization 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 those 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 parts of such statements.

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

1. Purpose

The Exchange proposes to amend the Fee Schedule regarding colocation services and fees to provide Users⁴ with wireless connectivity to additional market data feeds.

The Exchange currently provides Users with wireless connections to nine market data feeds or combinations of feeds from third-party markets (the "Existing Third Party Data"), and wired

connections to more than 45 market data feeds or combinations of feeds.⁵

The Exchange proposes to add to the Fee Schedule wireless connections ("Connectivity") to four additional market data feeds (together, the "Proposed Third Party Data"):

- MIAX Pearl Equities Depth of Market Feed ("MIAX DoM"),⁶
- Nasdaq BX TotalView-ITCH FPGA,⁷
- Nasdaq PSX TotalView, and
- Nasdaq PSX TotalView-ITCH FPGA.⁸

As with most other Existing Third Party Data,⁹ the monthly charge for Connectivity to Proposed Third Party Data would be subject to a 30-day testing period, during which the monthly charge per connection would be waived. Consistent with that fact, the Exchange proposes to amend the Fee Schedule to clarify that this provision is applicable to Connectivity to the Proposed Third Party Data.

Users would be offered Connectivity to Proposed Third Party Data through connections into the colocation center in the Mahwah, New Jersey data center ("MDC").¹⁰

⁵ See Securities Exchange Act Release No. 99806 (March 20, 2024), 89 FR 21055 (March 26, 2024) (SR-NYSE-2024-15).

⁶ As described by MIAX PEARL, LCC, "[t]he [MIAX] DoM feed is a data feed that contains the displayed price and size of each order entered on MIAX PEARL Equities, as well as order execution information, order cancellations, order modifications, order identification numbers, and administrative messages." Securities Exchange Act Release No. 91073 (February 5, 2021), 86 FR 9096, 9100 (February 11, 2021) (SR-PEARL-2021-02).

⁷ The difference between the Nasdaq BX TotalView feed and the Nasdaq BX TotalView-ITCH feed, which is part of the Existing Third Party Data, is the delivery mechanism: the data is the same. As described by Nasdaq BX, Inc., "BX TotalView is a real-time market data product that provides full order depth using a series of order messages to track the life of customer orders in the BX market, as well as trade data for BX executions and administrative messages such as Trading Action messages, Symbol Directory, and Event Control messages." Securities Exchange Act Release No. 98158 (August 17, 2023), 88 FR 57505 (August 23, 2023) (SR-BX-2023-020), at 57506.

⁸ According to Nasdaq PHLX LLC, "PSX TotalView is a real-time market data product that provides full order depth using a series of order messages to track the life of customer orders in the PSX market, as well as trade data for PSX executions and administrative messages such as Trading Action messages, Symbol Directory, and Event Control messages." Securities Exchange Act Release No. 95195 (August 21, 2023), 88 FR 58324 (August 25, 2023) (SR-PHLX-2023-37), at 58325. The difference between the two PSX TotalView feeds is the delivery mechanism: the data is the same. *Id.*

⁹ See Securities Exchange Act Release No. 76748 (December 23, 2015), 80 FR 81609 (December 30, 2015) (SR-NYSE-2015-52).

¹⁰ Through its Fixed Income and Data Services ("FIDS") (previously ICE Data Services) business, Intercontinental Exchange, Inc. ("ICE") operates the MDC. The Exchange and the Affiliate SROs are indirect subsidiaries of ICE. The proposed services

⁸² 17 CFR 200.30-3(a)(12).

¹ 15 U.S.C. 78s(b)(1).

² 15 U.S.C. 78a.

³ 17 CFR 240.19b-4.

⁴ For purposes of the Exchange's colocation services, a "User" means any market participant that requests to receive colocation services directly from the Exchange. See Securities Exchange Act Release No. 76008 (September 29, 2015), 80 FR 60190 (October 5, 2015) (SR-NYSE-2015-40). As specified in the Fee Schedule, a User that incurs colocation fees for a particular colocation service pursuant thereto would not be subject to colocation fees for the same colocation service charged by the Exchange's affiliates NYSE American LLC, NYSE Arca, Inc., NYSE Chicago, Inc., and NYSE National, Inc. (together, the "Affiliate SROs"). Each Affiliate SRO has submitted substantially the same proposed rule change to propose the changes described herein. See SR-NYSEAMER-2024-40, SR-NYSEARCA-2024-54, SR-NYSECHX-2024-24, and SR-NYSEENAT-2024-20.