

## SECURITIES AND EXCHANGE COMMISSION

[Release No. 34–99031; File No. SR–NYSEARCA–2023–58]

### Self-Regulatory Organizations; NYSE Arca, Inc.; Order Instituting Proceedings To Determine Whether To Approve or Disapprove a Proposed Rule Change To List and Trade Shares of the Hashdex Bitcoin Futures ETF Under NYSE Arca Rule 8.500–E (Trust Units)

November 28, 2023.

On September 22, 2023, NYSE Arca, Inc. (“NYSE Arca” or “Exchange”) filed with the Securities and Exchange Commission (“Commission”), pursuant to section 19(b)(1) of the Securities Exchange Act of 1934 (“Act”)<sup>1</sup> and Rule 19b–4 thereunder,<sup>2</sup> a proposed rule change to list and trade shares (“Shares”) of the Hashdex Bitcoin Futures ETF (“Fund”) under NYSE Arca Rule 8.500–E (Trust Units). The proposed rule change was published for comment in the **Federal Register** on October 3, 2023.<sup>3</sup>

On November 15, 2023, pursuant to section 19(b)(2) of the Act,<sup>4</sup> 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.<sup>5</sup> This order institutes proceedings under section 19(b)(2)(B) of the Act<sup>6</sup> to determine whether to approve or disapprove the proposed rule change.

#### I. Summary of the Proposal

As described in more detail in the Notice,<sup>7</sup> the Exchange proposes to list and trade the Shares of the Fund, a series of the Tidal Commodities Trust I (“Trust”), under NYSE Arca Rule 8.500–E, which governs the listing and trading of Trust Units on the Exchange.<sup>8</sup>

The investment objective of the Fund is to have the daily changes in the net asset value (“NAV”) of the Shares reflect the daily changes in the price of a specified benchmark (“Benchmark”).<sup>9</sup> The Benchmark will be calculated using the Nasdaq Bitcoin Reference Price—Settlement (“NQBTC”), which tracks the price of bitcoin.<sup>10</sup> The Fund will seek to achieve its investment objective by investing in bitcoin futures contracts<sup>11</sup> as well as in physical bitcoin to the extent allowed by the Fund’s investment restrictions on spot bitcoin.<sup>12</sup> The Fund will use the CME’s Exchange for Physical (“EFP”) transactions to acquire and dispose of spot bitcoin.<sup>13</sup> The Fund will be subject to investment restrictions on spot bitcoin which are currently set at 100% of the 30-day Average Daily Traded Volume on the core bitcoin platforms of the NQBTC that are subject to regulatory and reporting rules in the United States, including companies that are publicly traded in the United States.<sup>14</sup> The administrator

as shares of the Teucrium Bitcoin Futures Fund. See Securities Exchange Act Release No. 34–94620 (Apr. 6, 2022), 87 FR 21676 (Apr. 12, 2022) (SR–NYSEARCA–2021–53) (Order Approving a Proposed Rule Change, as Modified by Amendment No. 2, To List and Trade Shares of the Teucrium Bitcoin Futures Fund) (the “Approval Order”). See also Securities Exchange Act Release No. 92573 (Aug. 5, 2021), 86 FR 44062 (Aug. 11, 2021) (SR–NYSEARCA–2021–53) (Notice of Filing of a Proposed Rule Change To List and Trade Shares of Teucrium Bitcoin Futures Fund Under NYSE Arca Rule 8.200–E and Partial Amendment No. 2, available at <https://www.sec.gov/comments/sr-nysearca-2021-53/srnysearca202153-20118884-271701.pdf>). According to the Exchange, the name of the Teucrium Bitcoin Futures Fund was subsequently changed to the Hashdex Bitcoin Futures ETF. See Notice, 88 FR at 68188. The Exchange states that the representations set forth in the Notice supersede and replace the representations in the Exchange’s prior rule filing relating to the Teucrium Bitcoin Futures Fund and Partial Amendment No. 2 thereto. See *id.* at 68188 n.4.

<sup>9</sup> See Notice, 88 FR at 68189. The Fund is managed and controlled by Toroso Investments LLC (“Sponsor”). See *id.* at 68188.

<sup>10</sup> See *id.* at 68189.

<sup>11</sup> It is unclear from the filing whether the Fund is limited to investing in bitcoin futures contracts traded on the Chicago Mercantile Exchange, Inc. (“CME”).

<sup>12</sup> See *id.* at 68190. The Fund will hold a mix of spot bitcoin, bitcoin futures contracts, and cash and cash equivalents, subject to certain investment restrictions. See *id.* at 68197.

<sup>13</sup> See *id.* at 68197. According to the Exchange, EFP transactions are a type of private agreement between two parties to trade a futures position for the underlying asset. In an EFP transaction, two parties exchange equivalent but offsetting positions in a bitcoin futures contract and the underlying physical bitcoin. In the context of the Fund, these transactions will be used to purchase and sell spot bitcoin by delivering or receiving the equivalent futures position. See *id.* at 68204.

<sup>14</sup> See *id.* at 68203. According to the Exchange, as of the date of the filing, Coinbase Inc. was the only bitcoin platform to satisfy this criterion. See *id.* at 68203 n.78.

of the Fund will calculate the NAV of the Fund once each trading day, as of the earlier of the close of the New York Stock Exchange or 4:00 p.m. Eastern Standard Time.<sup>15</sup> To determine the value of bitcoin futures contracts, the Fund’s administrator will use the bitcoin futures contract settlement price on the exchange on which the contract is traded, except that the fair value of bitcoin futures contracts may be used when bitcoin futures contracts close at their price fluctuation limit for the day. The value of spot bitcoin held by the Fund would be determined by the Sponsor and by Hashdex Asset Management Ltd. (“Digital Asset Adviser”) in good faith based on a methodology that is entirely derived from the settlement prices of bitcoin futures contracts on the CME and that considers all available facts and all available information on the valuation date.<sup>16</sup> When the Fund sells or redeems its Shares, it will do so in cash transactions with authorized participants in blocks of 12,500 Shares.<sup>17</sup>

#### II. Proceedings To Determine Whether To Approve or Disapprove SR–NYSEARCA–2023–58 and Grounds for Disapproval Under Consideration

The Commission is instituting proceedings pursuant to section 19(b)(2)(B) of the Act<sup>18</sup> to determine whether the proposed rule change should be approved or disapproved. Institution of proceedings is appropriate at this time in view of the legal and policy issues raised by the proposed rule change, as discussed below. Institution of proceedings does not indicate that the Commission has reached any conclusions with respect to any of the issues involved. Rather, as described below, the Commission seeks and encourages interested persons to provide comments on the proposed rule change.

<sup>15</sup> See *id.* at 68206. The Fund’s NAV will include any unrealized profit or loss on open bitcoin futures contracts and any other credit or debit accruing to the Fund but unpaid or not received by the Fund. See *id.*

<sup>16</sup> See *id.* at 68199. This “futures-based spot price” methodology is sensitive to both the tenor of a bitcoin futures contract and the final settlement price for such contract. The calculation produces a set of weighting factors, with each factor indicating the contribution of the corresponding bitcoin futures contract to the estimated current spot price of bitcoin. The estimated spot price is the component of the result corresponding to a tenor of zero days. The Sponsor and Digital Asset Adviser will not use data from bitcoin trading platforms or directly from spot bitcoin trading activity in determining the value of spot bitcoin held by the Fund. See *id.* at 68206.

<sup>17</sup> See *id.* at 68204, 68206.

<sup>18</sup> 15 U.S.C. 78s(b)(2)(B).

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

<sup>2</sup> 17 CFR 240.19b–4.

<sup>3</sup> See Securities Exchange Act Release No. 98564 (Sept. 27, 2023), 88 FR 68188 (“Notice”). Comments on the proposed rule change are available at: <https://www.sec.gov/comments/sr-nysearca-2023-58/srnysearca202358.htm>.

<sup>4</sup> 15 U.S.C. 78s(b)(2).

<sup>5</sup> See Securities Exchange Act Release No. 98947, 88 FR 81171 (Nov. 21, 2023). The Commission designated January 1, 2024, as the date by which the Commission shall approve or disapprove, or institute proceedings to determine whether to disapprove, the proposed rule change.

<sup>6</sup> 15 U.S.C. 78s(b)(2)(B).

<sup>7</sup> See Notice, *supra* note 3.

<sup>8</sup> The Exchange states that the Commission previously approved the listing and trading of the Shares pursuant to NYSE Arca Rule 8.200–E, Commentary .02, which governs the listing and trading of Trust Issued Receipts on the Exchange,

Pursuant to section 19(b)(2)(B) of the Act,<sup>19</sup> the Commission is providing notice of the grounds for disapproval under consideration. The Commission is instituting proceedings to allow for additional analysis of the proposed rule change's consistency with section 6(b)(5) of the Act, which requires, among other things, that the rules of a national securities exchange be "designed to prevent fraudulent and manipulative acts and practices" and "to protect investors and the public interest."<sup>20</sup>

The Commission asks that commenters address the sufficiency of the Exchange's statements in support of the proposal, which are set forth in the Notice, in addition to any other comments they may wish to submit about the proposed rule change. In particular, the Commission seeks comment on the following questions and asks commenters to submit data where appropriate to support their views:

1. What are commenters' views on whether the proposed Fund and Shares would be susceptible to manipulation? What are commenters' views generally on whether the Exchange's proposal is designed to prevent fraudulent and manipulative acts and practices? What are commenters' views generally with respect to the liquidity and transparency of the bitcoin markets and the bitcoin markets' susceptibility to manipulation?

2. Based on data and analysis provided and the academic research cited by the Exchange,<sup>21</sup> what are commenters' views on whether the CME, on which CME bitcoin futures trade and through which the Fund intends to engage in EFP transactions to purchase or sell spot bitcoin, represents a regulated market of significant size related to spot bitcoin?<sup>22</sup> What are commenters' views on whether there is a reasonable likelihood that a person attempting to manipulate the Shares would also have to trade on the CME to manipulate the Shares?<sup>23</sup> Do commenters agree with the Exchange that trading in the Shares would not be the predominant influence on prices in the CME bitcoin futures market?<sup>24</sup>

3. The Exchange states that the Fund intends to adopt "an innovative approach to mitigate the risks of fraud and manipulation that are unique to the Fund" by "structur[ing] the operation of

the Fund such that the regulated market of significant size in relation to the Fund is the [CME] because it is the same market on which the Fund trades its non-cash assets."<sup>25</sup> The Exchange further states that the Fund has novel features that underscore its significant interrelationship with the CME, including that the Fund (i) utilizes futures-based pricing for spot bitcoin such that the NAV calculation for the spot bitcoin holdings of the Fund will be derived from the CME bitcoin futures curve; (ii) is subject to investment restrictions on spot bitcoin; (iii) will use CME EFP transactions to acquire and dispose of spot bitcoin "instead of transactions on unregulated spot exchanges"; and (iv) will utilize only cash creations and redemptions.<sup>26</sup> Based on the structure and operation of the Fund and the Fund's investments as described in the filing, what are commenters' views on whether the CME represents a regulated market of significant size related to spot bitcoin?<sup>27</sup>

4. The Fund will only use CME EFP transactions to acquire and dispose of spot bitcoin.<sup>28</sup> The Exchange states that "trading activity in EFP transactions is sporadic" but that, "[n]onetheless, the Sponsor believes that a large number of liquidity providers are ready to execute this type of transaction and can provide enough liquidity to support the [Fund's] demand."<sup>29</sup> Do commenters agree? Why or why not?

5. The value of spot bitcoin held by the Fund would be determined using a futures-based spot price methodology that is derived from the settlement prices of bitcoin futures contracts on the CME.<sup>30</sup> The Exchange presents data<sup>31</sup> that it states "strongly suggests that [futures-based spot pricing] is a suitable choice for the NAV calculation."<sup>32</sup> The Exchange states that futures-based spot pricing "could create some level of uncertainty due to the potential divergences between the [futures-based spot price] and the spot prices observed in unregulated markets" but that authorized participants "will always be in a position to hedge their exposure using exclusively the [CME bitcoin futures market], which will make them more likely to provide liquidity to the Fund thus making its market price converge to its NAV."<sup>33</sup> Do commenters

agree with the Exchange? Why or why not?

6. Some sponsors of proposed spot bitcoin exchange-traded products have provided data regarding the correlation between certain bitcoin spot markets and the CME bitcoin futures market.<sup>34</sup> What are commenters' views on the correlation between the bitcoin spot market and the CME bitcoin futures market? What are commenters' views on the extent to which that correlation provides evidence that the CME bitcoin futures market is "significant" related to spot bitcoin? What are commenters' views on the Sponsor's own statistical analysis of the relationship between prices in certain unregulated bitcoin markets and prices of CME bitcoin futures contracts?<sup>35</sup>

### III. Procedure: Request for Written Comments

The Commission requests that interested persons provide written submissions of their views, data, and arguments with respect to the issues identified above, as well as any other concerns they may have with the proposal. In particular, the Commission invites the written views of interested persons concerning whether the proposal is consistent with section 6(b)(5) or any other provision of the Act, and the rules and regulations thereunder. Although there do not appear to be any issues relevant to approval or disapproval that would be facilitated by an oral presentation of views, data, and arguments, the Commission will consider, pursuant to Rule 19b-4, any request for an opportunity to make an oral presentation.<sup>36</sup>

<sup>34</sup> See, e.g., Notice of Filing of Amendment No. 3 to, and Order Instituting Proceedings to Determine Whether to Approve or Disapprove, a Proposed Rule Change to List and Trade Shares of the ARK 21Shares Bitcoin ETF under BZX Rule 14.11(e)(4), Commodity-Based Trust Shares, Securities Exchange Act Release No. 98112 (Aug. 11, 2023), 88 FR 55743 (Aug. 16, 2023) (including data from sponsor 21Shares US LLC that purports to show correlations of returns across the two-year period from January 20, 2021, to February 1, 2023, of no less than 92% among certain spot bitcoin platforms and between the CME bitcoin futures market and such spot bitcoin platforms on an hourly basis, and no less than 78% on a minutely basis).

<sup>35</sup> See *id.* at 68202.

<sup>36</sup> Section 19(b)(2) of the Act, as amended by the Securities Acts Amendments of 1975, Public Law 94-29 (June 4, 1975), grants the Commission flexibility to determine what type of proceeding—either oral or notice and opportunity for written comments—is appropriate for consideration of a particular proposal by a self-regulatory organization. See Securities Acts Amendments of 1975, Senate Comm. on Banking, Housing & Urban Affairs, S. Rep. No. 75, 94th Cong., 1st Sess. 30 (1975).

<sup>19</sup> *Id.*

<sup>20</sup> 15 U.S.C. 78f(b)(5).

<sup>21</sup> See Notice, 88 FR at 68198–99, 68201 n.74, 68202–03.

<sup>22</sup> See *id.* at 68197.

<sup>23</sup> See *id.*

<sup>24</sup> See *id.*

<sup>25</sup> See *id.* at 68196.

<sup>26</sup> See *id.* at 68197.

<sup>27</sup> See *id.* at 68197.

<sup>28</sup> See, e.g., *id.* at 68204–06.

<sup>29</sup> See *id.* at 68205.

<sup>30</sup> See *id.* at 68199.

<sup>31</sup> See *id.* at 68199–201.

<sup>32</sup> See *id.* at 68201.

<sup>33</sup> See *id.* at 68201.

Interested persons are invited to submit written data, views, and arguments regarding whether the proposed rule change should be approved or disapproved by December 22, 2023. Any person who wishes to file a rebuttal to any other person's submission must file that rebuttal by January 5, 2024.

Comments may be submitted by any of the following methods:

#### *Electronic Comments*

- Use the Commission's internet comment form (<https://www.sec.gov/rules/sro.shtml>); or
- Send an email to [rule-comments@sec.gov](mailto:rule-comments@sec.gov). Please include file number SR-NYSEARCA-2023-58 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-NYSEARCA-2023-58. 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-NYSEARCA-2023-58 and should be submitted on or before December 22, 2023. Rebuttal comments should be submitted by January 5, 2024.

For the Commission, by the Division of Trading and Markets, pursuant to delegated authority.<sup>37</sup>

**Sherry R. Haywood,**

*Assistant Secretary.*

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## SECURITIES AND EXCHANGE COMMISSION

[Release No. 34-99026; File No. SR-CboeEDGX-2023-070]

### Self-Regulatory Organizations; Cboe EDGX Exchange, Inc.; Notice of Filing and Immediate Effectiveness of a Proposed Rule Change To Amend Its Fee Schedule

November 28, 2023.

Pursuant to section 19(b)(1) of the Securities Exchange Act of 1934 (the "Act"),<sup>1</sup> and Rule 19b-4 thereunder,<sup>2</sup> notice is hereby given that on November 15, 2023, Cboe EDGX Exchange, Inc. (the "Exchange" or "EDGX") filed with the Securities and Exchange Commission (the "Commission") the proposed rule change as described in Items I, II, and III below, which Items have been prepared by the Exchange. The Commission is publishing this notice to solicit comments on the proposed rule change from interested persons.

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

Cboe EDGX Exchange, Inc. (the "Exchange" or "EDGX") proposes to amend its Fee Schedule. The text of the proposed rule change is provided in Exhibit 5.

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

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

In its filing with the Commission, the Exchange included statements concerning the purpose of and basis for the proposed rule change and discussed any comments it received on the proposed rule change. The text of these statements may be examined at the places specified in Item IV below. The

Exchange has prepared summaries, set forth in sections A, B, and C below, of the most significant aspects of such statements.

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

##### 1. Purpose

The Exchange proposes to update its Fee Schedule to provide a 20% discount on fees assessed to Exchange Members and non-Members that purchase \$20,000 or more of historical Open-Close Data, effective November 15, 2023 through December 31, 2023.

By way of background, the Exchange currently offers End-of-Day ("EOD") and Intraday Open-Close Data (collectively, "Open-Close Data"). EOD Open-Close Data is an end-of-day volume summary of trading activity on the Exchange at the option level by origin (customer, professional customer, broker-dealer, and market maker), side of the market (buy or sell), price, and transaction type (opening or closing). The customer and professional customer volume is further broken down into trade size buckets (less than 100 contracts, 100-199 contracts, greater than 199 contracts). The EOD Open-Close Data is proprietary Exchange trade data and does not include trade data from any other exchange. It is also a historical data product and not a real-time data feed. The Exchange also offers Intraday Open-Close Data, which provides similar information to that of EOD Open-Close Data but is produced and updated every 10 minutes during the trading day. Data is captured in "snapshots" taken every 10 minutes throughout the trading day and is available to subscribers within five minutes of the conclusion of each 10-minute period.<sup>3</sup> The Intraday Open-Close Data provides a volume summary of trading activity on the Exchange at the option level by origin (customer, professional customer, broker-dealer, and market maker), side of the market (buy or sell), and transaction type (opening or closing). The customer and professional customer volume are further broken down into trade size buckets (less than 100 contracts, 100-199 contracts, greater than 199 contracts). The Intraday Open-Close

<sup>3</sup> For example, subscribers to the intraday product will receive the first calculation of intraday data by approximately 9:42 a.m. ET, which represents data captured from 9:30 a.m. to 9:40 a.m. Subscribers will receive the next update at 9:52 a.m., representing the data previously provided together with data captured from 9:40 a.m. through 9:50 a.m., and so forth. Each update will represent the aggregate data captured from the current "snapshot" and all previous "snapshots."

<sup>37</sup> 17 CFR 200.30-3(a)(57).

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

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