

underlying Volatility Indexes. By contrast, synthetic futures, like those proposed by OCC, can be used to generate a continuous time series of futures contract prices across multiple expirations. Additionally, OCC proposes to modify the statistical distribution that it uses to model price returns of synthetic futures such that the resulting curve would better fit the historical data. Finally, OCC proposes to reduce the potential for sudden margin increases resulting from market corrections of abnormally low volatility levels through the implementation of a floor on variance estimates for Volatility Index Futures. The Commission believes that OCC's proposal to use synthetic futures to model Volatility Index Futures contracts, taken together with modification of the relevant statistical distribution and inclusion of a variance floor, is consistent with the promotion of robust risk management because it is designed to address a known limitation of OCC's current models—namely an inability to account for the term structure of Volatility Index Futures—and produce margin requirements that respond more appropriately to market volatility.

Similarly, these changes are consistent with the promotion of safety and soundness and the reduction of systemic risk because they are designed to increase the accuracy of OCC's margin requirements while avoiding sudden shocks to OCC's Clearing Members. Finally, the inclusion of a variance floor designed to reduce the likelihood of sudden margin increases resulting from expected corrections in market volatility is consistent with supporting the stability of the broader financial system.

Accordingly, and for the reasons stated, the Commission believes the changes proposed in the Advance Notice are consistent with Section 805(b) of the Clearing Supervision Act.<sup>27</sup>

#### *B. Consistency With Rule 17Ad-22(e)(6)(i) Under the Exchange Act*

Rule 17Ad-22(e)(6)(i) under the Exchange Act requires that a covered clearing agency establish, implement, maintain, and enforce written policies and procedures reasonably designed to cover, if the covered clearing agency provides central counterparty services, its credit exposures to its participants by establishing a risk-based margin system that, at a minimum, considers, and produces margin levels commensurate with, the risks and particular attributes

of each relevant product, portfolio, and market.<sup>28</sup>

OCC proposes to base its estimation of final settlement prices for Volatility Index Futures on synthetic futures rather than the Volatility Indexes underlying Volatility Index Futures. As described above, a margin process based on synthetic futures, as opposed to an underlying index, could more accurately model future price movements for Volatility Index Futures because the synthetic futures can be used to generate a continuous time series of futures contract prices across multiple expirations, while the underlying index alone is insufficient to model the term structure of the futures market. OCC further proposes to adjust the econometric model that it would use to estimate final settlement prices by applying a distribution that better fits observable data of the Volatility Index Futures. Finally, OCC's proposal includes a variance estimate floor to avoid sudden margin increases where the immediate volatility of the Volatility Index Futures deviates significantly from the long-run volatility of the underlying index. The Commission believes, therefore, that OCC's proposal is designed to better account for the term structure of futures contracts, align margin requirements with observable data, and incorporate historical volatility data, thereby producing margin levels commensurate with the particular attributes of Volatility Index Futures. Further, the Commission believes the proposed changes could result in margin requirements that respond more appropriately to changes in market volatility.

Accordingly, based on the foregoing, the Commission believes that the proposed change to OCC's margin methodology for Volatility Index Futures is consistent with Exchange Act Rule 17Ad-22(e)(6)(i).<sup>29</sup>

#### **IV. Conclusion**

*It is therefore noticed*, pursuant to Section 806(e)(1)(I) of the Clearing Supervision Act, that the Commission *does not object* to the Advance Notice (SR-OCC-2019-801) and that OCC is *authorized* to implement the proposed change as of the date of this notice or the date of an order by the Commission approving proposed rule change SR-OCC-2019-002, whichever is later.

By the Commission.

**Eduardo A. Aleman,**

*Deputy Secretary.*

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## **SECURITIES AND EXCHANGE COMMISSION**

[Release No. 34-85865; File No. SR-MIAX-2019-24]

### **Self-Regulatory Organizations; Miami International Securities Exchange, LLC; Notice of Filing and Immediate Effectiveness of a Proposed Rule Change To Amend Exchange Rule 404, Series of Option Contracts Open for Trading**

May 15, 2019.

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 May 7, 2019, Miami International Securities Exchange, LLC ("MIAX Options" 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 Exchange. The Exchange filed the proposal as a "non-controversial" proposed rule change pursuant to Section 19(b)(3)(A)(iii) of the Act<sup>3</sup> and Rule 19b-4(f)(6) thereunder.<sup>4</sup> 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 is filing a proposal to amend Exchange Rule 404, Series of Option Contracts Open for Trading, Interpretation and Policy .10, to allow for \$1 strike prices above \$200 on additional series of options of certain exchange-traded fund ("ETF") shares.

The text of the proposed rule change is available on the Exchange's website at <http://www.miaxoptions.com/rule-filings/> at MIAX Options' principal office, 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

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

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

<sup>3</sup> 15 U.S.C. 78s(b)(3)(A)(iii).

<sup>4</sup> 17 CFR 240.19b-4(f)(6).

<sup>28</sup> 17 CFR 240.17Ad-22(e)(6)(i).

<sup>29</sup> *Id.*

<sup>27</sup> 12 U.S.C. 5464(b).

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 amend Exchange Rule 404, Series of Option Contracts Open for Trading, Interpretation and Policy .10, to allow for the interval between strike prices of series of options on ETF shares of the PowerShares QQQ Trust ("QQQ") and iShares Russell 2000 ETF ("IWM") to be \$1 or greater where the strike price is greater than \$200.

Currently, Exchange Rule 404, Series of Option Contracts Open for Trading, Interpretation and Policy .10, allows for the interval between strike prices of series of options on ETF shares of SPDR S&P 500 ETF ("SPY"), iShares S&P 500 Index ETF ("IVV"), and SPDR Dow Jones Industrial Average ETF ("DIA") to be \$1 or greater where the strike price is greater than \$200.<sup>5</sup> Under Exchange Rule 404(g), the interval between strike prices of series of options on ETF shares approved for options trading<sup>6</sup> shall be fixed at a price per share which is reasonably close to the price per share at which the underlying security is traded in the primary market at or about the same time such series of options is first open for trading on the Exchange, or at such intervals as may have been established on another options exchange prior to the initiation of trading on the Exchange.<sup>7</sup> The Exchange generally sets the interval between strike prices of series of options on ETF shares at \$5 or greater where the strike price is greater than \$200, in accordance with such intervals that have been established on other options exchanges and Exchange Rule 404(g).<sup>8</sup> Specifically, the Exchange proposes to modify the interval setting regime to allow for \$1 strike price intervals where the strike price is above \$200 for IWM and QQQ options. The Exchange believes that the proposed rule change would make QQQ and IWM options easier for investors and traders

to use and more tailored to their investment needs.

Options on QQQ and IWM are designed to provide investors different ways to efficiently gain exposure to the equity markets and execute risk management, hedging, asset allocation and income generation strategies. The QQQ is an investment trust designed to closely track the price and performance of the Nasdaq-100 Index ("NDX"), which represents the largest and most active non-financial domestic and international issues listed on The Nasdaq Stock Market based on market capitalization. Likewise, the IWM is an index ETF designed to closely track the price and performance of the Russell 2000 Index ("RUT"), which represents the small capitalization sector of the U.S. equity market. In general, QQQ and IWM options provide investors with the benefit of trading broader markets in a manageably sized contract.

The value of QQQ is designed to approximate 1/40 the value of the underlying NDX. For example, if the NDX price level is 1400, QQQ strike prices generally would be expected to be priced around \$35. The value of IWM is designed to approximate 1/10 the value of the underlying RUT. In the past year, the NDX has climbed above a price level of 7500, and the RUT climbed to a price level of approximately 1700 (both prior to the December 2018 market-wide decline). As the value of the underlying ETF (and the index the ETF tracks) and resulting strike prices for each option continues to appreciate, market participants have requested the listing of additional strike prices (\$1 increments) in QQQ and IWM options above \$200. The QQQ is among the most actively traded ETFs on the market. It is widely quoted as an indicator of technology stock prices and investor confidence in the technology and telecommunication market spaces, a significant indicator of overall economic health. Similarly, IWM is among the most actively traded ETFs on the market and provides investors with an investment tool to gain exposure to small U.S. public companies. Industry-wide trade volume in QQQ more than doubled from 2017 to 2018. As a result, QQQ options and IWM options have grown to become two of the largest options contracts in terms of trading volume. Investors use these products to diversify their portfolios and benefit from market trends.

Accordingly, the Exchange believes that offering a wider base of QQQ and IWM options affords traders and investors important hedging and trading opportunities, particularly in the midst of current price trends. The Exchange

believes that not having the proposed \$1 strike price intervals above \$200 in QQQ and IWM classes significantly constricts investors' hedging and trading possibilities. The Exchange therefore believes that by having smaller strike intervals in QQQ and IWM, investors would have more efficient hedging and trading opportunities due to the lower \$1 interval ascension. The proposed \$1 intervals above the \$200 strike price will result in having at-the-money series based upon the underlying ETFs moving less than 1%. The Exchange believes that the proposed strike setting regime is in line with the slower movements of broad-based indices. Considering the fact that \$1 intervals already exist below the \$200 price point and that both QQQ and IWM have consistently inclined in price toward the \$200 level, the Exchange believes that continuing to maintain the current \$200 level (above which intervals increase 500% to \$5), may have a negative effect on investing, trading and hedging opportunities, and volume. The Exchange believes that the investing, trading, and hedging opportunities available with QQQ and IWM options far outweighs any potential negative impact of allowing QQQ and IWM options to trade in more finely tailored intervals above the \$200 price point.

The proposed strike setting regime would permit strikes to be set to more closely reflect the increasing values in the underlying indices and allow investors and traders to roll open positions from a lower strike to a higher strike in conjunction with the price movements of the underlying ETFs. Under the current rule, where the next higher available series would be \$5 away above a \$200 strike price, the ability to roll such positions is effectively negated. Accordingly, to move a position from a \$200 strike to a \$205 strike under the current rule, an investor would need for the underlying product to move 2.5%, and would not be able to execute a roll up until such a large movement occurred. As stated, the NDX and RUT have experienced continued, steady growth. The Exchange believes that with the proposed rule change, the investor would be in a significantly safer position of being able to roll his open options position from a \$200 to a \$201 strike price, which is only a 0.5% move for the underlying. As a result, the proposed rule change will allow the Exchange to better respond to customer demand for QQQ and IWM strike prices more precisely aligned with the smaller, longer-term incremental increases in respective underlying ETFs. The Exchange believes

<sup>5</sup> See Exchange Rule 404, Interpretation and Policy .10.

<sup>6</sup> See Exchange Rule 402(i).

<sup>7</sup> See Exchange Rule 404(g).

<sup>8</sup> See *id.*

that the proposed rule change, like the other strike price programs currently offered by the Exchange, will benefit investors by providing investors the flexibility to more closely tailor their investment and hedging decisions using QQQ and IWM options. Moreover, by allowing series of QQQ and IWM options to be listed in \$1 intervals between strike prices over \$200, the proposal will moderately augment the potential total number of options series available on the Exchange. However, the Exchange believes it and the Options Price Reporting Authority (“OPRA”) have the necessary systems capacity to handle any potential additional traffic associated with this proposed rule change. The Exchange also believes that Members<sup>9</sup> will not have a capacity issue due to the proposed rule change. In addition, the Exchange represents that it does not believe that this expansion will cause fragmentation of liquidity, but rather, believes that finer strike intervals will serve to increase liquidity available as well as price efficiency by providing more trading opportunities for all market participants.

## 2. Statutory Basis

The Exchange believes that its proposed rule change is consistent with Section 6(b) of the Act<sup>10</sup> in general, and furthers the objectives of Section 6(b)(5) of the Act<sup>11</sup> in particular, in that it is designed to prevent fraudulent and manipulative acts and practices, to promote just and equitable principles of trade, to foster cooperation and coordination with persons engaged in regulating, clearing, settling, processing information with respect to, and facilitating transactions in securities, to remove impediments to and perfect the mechanisms of a free and open market and a national market system and, in general, to protect investors and the public interest. Additionally, the Exchange believes the proposed rule change is consistent with the Section 6(b)(5) requirement that the rules of an exchange not be designed to permit unfair discrimination between customers, issuers, brokers, or dealers.

In particular, the proposed rule change to Exchange Rule 404, Series of Option Contracts Open for Trading, Interpretation and Policy .10, will allow investors to more easily use QQQ and IWM options. Moreover, the proposed rule change would allow investors to

better trade and hedge positions in QQQ and IWM options where the strike price is greater than \$200, and ensure that investors in both options are not at a disadvantage simply because of the strike price.

The Exchange believes the proposed rule change is consistent with Section 6(b)(1) of the Act, which provides that the Exchange be organized and have the capacity to be able to carry out the purposes of the Act and the rules and regulations thereunder, and the rules of the Exchange. The rule change proposal allows the Exchange to respond to customer demand to allow QQQ and IWM options to trade in \$1 intervals above a \$200 strike price. The Exchange does not believe that the proposed rule would create additional capacity issues or affect market functionality.

As noted above, ETF options trade in wider \$5 intervals above a \$200 strike price, whereby options at or below a \$200 strike price trade in \$1 intervals. This creates a situation where contracts on the same option class effectively may not be able to execute certain strategies such as, for example, rolling to a higher strike price, simply because of the \$200 strike price above which options intervals increase by 500%. This proposal remedies the situation by establishing an exception to the current ETF interval regime for QQQ and IWM options to allow such options to trade in \$1 or greater intervals at all strike prices.

The Exchange believes that the proposed rule change, like other strike price programs currently offered by the Exchange, will benefit investors by giving them increased flexibility to more closely tailor their investment and hedging decisions. Moreover, the proposed rule change is consistent with the change adopted by Cboe Exchange, Inc. (“Cboe”).<sup>12</sup>

With regard to the impact of this proposal on system capacity, the Exchange believes it and OPRA have the necessary systems capacity to handle any potential additional traffic associated with this proposed rule change. The Exchange believes that its members will not have a capacity issue as a result of this proposal.

## 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 purposes of the Act. Rather, the

Exchange believes that the proposed rule change will result in additional investment options and opportunities to achieve the investment and trading objectives of market participants seeking efficient trading and hedging vehicles, to the benefit of investors, market participants, and the marketplace in general. Specifically, the Exchange believes that QQQ and IWM options investors and traders will significantly benefit from the availability of finer strike price intervals above a \$200 price point. In addition, the interval setting regime the Exchange proposes to apply to QQQ and IWM options is currently applied to SPY, IVV, and DIA options, which are similarly popular and widely traded ETF products and track indexes at similarly high price levels. Thus, the proposed strike setting regime for QQQ and IWM options will allow options on the most actively traded ETFs with index levels at corresponding price levels to trade pursuant to the same strike setting regime. This will permit investors to employ similar investment and hedging strategies for each of these options.

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

Written comments were neither solicited nor received.

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

Because the proposed rule change does not: (i) significantly affect the protection of investors or the public interest; (ii) impose any significant burden on competition; and (iii) become operative for 30 days from the date on which it was filed, or such shorter time as the Commission may designate, it has become effective pursuant to Section 19(b)(3)(A) of the Act<sup>13</sup> and subparagraph (f)(6) of Rule 19b-4 thereunder.<sup>14</sup>

A proposed rule change filed pursuant to Rule 19b-4(f)(6) under the Act<sup>15</sup> normally does not become operative for 30 days after the date of its filing. However, Rule 19b-4(f)(6)(iii)<sup>16</sup> permits the Commission to designate a

<sup>13</sup> 15 U.S.C. 78s(b)(3)(A).

<sup>14</sup> 17 CFR 240.19b-4(f)(6). In addition, Rule 19b-4(f)(6)(iii) requires a self-regulatory organization to give the Commission written notice of its intent to file the proposed rule change, along with a brief description and text of the proposed rule change, at least five business days prior to the date of filing of the proposed rule change, or such shorter time as designated by the Commission. The Exchange has satisfied this requirement.

<sup>15</sup> 17 CFR 240.19b-4(f)(6).

<sup>16</sup> 17 CFR 240.19b-4(f)(6)(iii).

<sup>9</sup> The term “Member” means an individual or organization approved to exercise the trading rights associated with a Trading Permit. Members are deemed “members” under the Exchange Act. See Exchange Rule 100.

<sup>10</sup> 15 U.S.C. 78f(b).

<sup>11</sup> 15 U.S.C. 78f(b)(5).

<sup>12</sup> See Securities Exchange Act Release No. 85754 (April 30, 2019), 84 FR 19823 (May 6, 2019) (SR-CBOE-2019-015).

shorter time if such action is consistent with the protection of investors and the public interest. The Exchange has asked the Commission to waive the 30-day operative delay so that the proposal may become operative immediately upon filing. The Exchange stated that waiver of this requirement will ensure fair competition among the exchanges by allowing the Exchange to set the interval between strike prices of series of options on ETF shares of QQQ and IWM in a manner consistent with another exchange. Further, the Exchange stated that because the proposed rule change is based on the rules of another Self-Regulatory Organization,<sup>17</sup> it does not introduce any new or novel regulatory issues. For these reasons, the Commission believes that waiving the 30-day operative delay is consistent with the protection of investors and the public interest. Accordingly, the Commission hereby waives the operative delay and designates the proposed rule change operative upon filing.<sup>18</sup>

At any time within 60 days of the filing of the proposed rule change, the Commission summarily may temporarily suspend such rule change if it appears to the Commission that such action is necessary or appropriate in the public interest, for the protection of investors, or otherwise in furtherance of the purposes of the Act. If the Commission takes such action, the Commission shall institute proceedings to determine whether the proposed rule change should be approved or disapproved.

#### IV. Solicitation of Comments

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

##### *Electronic Comments*

- Use the Commission's internet comment form (<http://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-MIAX-2019-24 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-MIAX-2019-24. 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 (<http://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 10:00 a.m. and 3:00 p.m. Copies of the filing also will be available for inspection and copying at the principal office of the Exchange. All comments received will be posted without change. Persons submitting comments are cautioned that we do not redact or edit personal identifying information from comment submissions. You should submit only information that you wish to make available publicly. All submissions should refer to File Number SR-MIAX-2019-24 and should be submitted on or before June 11, 2019.

For the Commission, by the Division of Trading and Markets, pursuant to delegated authority.<sup>19</sup>

**Eduardo A. Aleman,**

*Deputy Secretary.*

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## SECURITIES AND EXCHANGE COMMISSION

[Release No. 34-85869; File No. SR-CboeBZX-2019-040]

### Self-Regulatory Organizations; Cboe BZX Exchange, Inc.; Notice of Filing and Immediate Effectiveness of a Proposed Rule Change To Amend the BZX Equities Fee Schedule To Correct an Inadvertent Drafting Error Introduced in a Previous Rule Filing

May 15, 2019.

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 May 1, 2019, Cboe BZX Exchange, Inc. (the "Exchange" or "BZX") filed with the Securities and Exchange Commission (the "Commission") the proposed rule change as described in Items I, II, and III below, which Items have been prepared by the Exchange. The Commission is publishing this notice to solicit comments on the proposed rule change from interested persons.

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

Cboe BZX Exchange, Inc. ("BZX" or the "Exchange") is filing with the Securities and Exchange Commission (the "Commission") a proposed rule change to amend the BZX Equities fee schedule to correct an inadvertent drafting error introduced in a previous rule filing. The text of the proposed rule change is attached as Exhibit 5 (sic).

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

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

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

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

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

<sup>17</sup> See *supra* note 12.

<sup>18</sup> For purposes only of waiving the 30-day operative delay, the Commission also has considered the proposed rule's impact on efficiency, competition, and capital formation. See 15 U.S.C. 78c(f).

<sup>19</sup> 17 CFR 200.30-3(a)(12).