



SECURITIES AND EXCHANGE COMMISSION
[Release No. 34-96548; File No. SR-EMERALD-2022-35]

Self-Regulatory Organizations; MIAX Emerald, LLC; Notice of Filing and Immediate Effectiveness of a Proposed Rule Change to Amend Exchange Rule 519C, Mass Cancellation of Trading Interest

December 20, 2022.

Pursuant to section 19(b)(1) of the Securities Exchange Act of 1934 (the “Act”),¹ and Rule 19b-4 thereunder,² notice is hereby given that on December 8, 2022, MIAX Emerald, LLC (“MIAX Emerald” or “Exchange”) filed with the Securities and Exchange Commission (“Commission”) the proposed rule change as described in Items I, II and III below, which Items have been prepared by the Exchange. The Commission is publishing this notice to solicit comments on the proposed rule change from interested persons.

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

The Exchange proposes to amend Exchange Rule 519C, Mass Cancellation of Trading Interest.

The text of the proposed rule change is available on the Exchange’s website at <http://www.miaxoptions.com/rule-filings/emerald>, at MIAX Emerald’s 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 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.

¹ 15 U.S.C. 78s(b)(1).

² 17 CFR 240.19b-4.

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 Interpretations and Policies .01 of Exchange Rule 519C, Mass Cancellation of Trading Interest, to provide Members³ the option of having the Exchange cancel all orders, including GTC Orders,⁴ if the Exchange detects a loss of communication on a FIX Order Interface (“FOI”) Session.

Background

Electronic Exchange Members (“EEMs”)⁵ connect to the Exchange via the Financial Information eXchange (“FIX”) Protocol.⁶ An EEM connects to their assigned FIX port using the MIAX FIX Order Interface (“FOI”) which is a flexible interface that uses the FIX protocol for both application and session level messages. The Exchange relies on heartbeat⁷ messages to determine the status of the connection to ensure bi-directional communication remains intact. Upon missing a single heartbeat, FOI will send a *Test Request* message⁸ to the Member to check

³ 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.

⁴ A Good ‘til Cancelled or “GTC” Order is an order to buy or sell which remains in effect until it is either executed, cancelled or the underlying option expires. See Exchange Rule 516(l).

⁵ The term “Electronic Exchange Member” or “EEM” means the holder of a Trading Permit who is not a Market Maker. Electronic Exchange Members are deemed “members” under the Exchange Act. See Exchange Rule 100.

⁶ The Financial Information eXchange (FIX) is a vendor-neutral electronic communications protocol for the international real-time exchange of securities transaction information. Scott, Gordon, Financial Information eXchange (FIX), Investopedia (June 20, 2022), <https://www.investopedia.com/terms/f/financial-information-exchange.asp>.

⁷ A “Heartbeat” message is a communication which acts as a virtual pulse between the Exchange System and the Member’s system. The heartbeat message sent by the Member and received by the Exchange allows the Exchange to continually monitor its connection with the Member. See Interpretations and Policies .02(i) of Exchange Rule 519C.

⁸ The test request message is a FIX Protocol message that forces a heartbeat from the opposing application. The test request message checks sequence numbers or verifies communication line status. The opposite application responds to the Test Request with a

the status of the connection. Upon missing a certain number of heartbeats,⁹ FOI will send a logout message and terminate the connection. The Exchange currently offers Members certain order handling risk protection options in this scenario.

Specifically, when a Loss of Communication is detected on a FOI connection the System¹⁰ will logoff the Member's session and (i) cancel all eligible orders for the FIX Session if instructed by the Member upon login, or (ii) cancel all eligible orders identified by the Member. Following a disconnection, a reconnection will not be permitted for a certain period of time ("yy" seconds). The Exchange shall determine the appropriate period of ("yy" seconds) and shall notify Members of the value of "yy" seconds via Regulatory Circular. In no event shall "yy" be less than one (1) second or greater than ten (10) seconds.¹¹

At the time the Exchange adopted this functionality the Exchange created an exception for Good 'Til Cancel Orders in Interpretations and Policies .01, which stated, Good 'Til Cancelled ("GTC") orders, as defined in Rule 516 and PRIME Orders, as defined in Rule 515A, are not eligible for automatic cancellation under paragraph (c) of Rule 519C.¹²

Proposal

The Exchange now proposes to amend Interpretations and Policies .01 to allow GTC orders to also be eligible for cancellation when the Exchange detects a Loss of Communication.

As proposed, if the Exchange determines that there is a Loss of Communication, the Exchange will cancel the orders as described above, additionally, if elected, the Exchange proposes to cancel all GTC orders submitted through that FIX Session. As proposed, Members

Heartbeat containing the Test Request ID. Financial Information Exchange Protocol (FIX), Version 4.2 with errata. May 1, 2001.

⁹ The Exchange notes that the current System setting is two (2) heartbeats, and that any change to this setting will be determined by the Exchange and communicated to Members via Regulatory Circular.

¹⁰ The term "System" means the automated trading system used by the Exchange for the trading of securities. See Exchange Rule 100.

¹¹ See Exchange Rule 519C(c)(2).

¹² See Interpretations and Policies .01 of Exchange Rule 519C.

would need to contact the Exchange's Help Desk,¹³ in a form and manner to be determined by the Exchange and communicated via Regulatory Circular, to have this optional order protection (cancellation of GTC orders) configured.

2. Statutory Basis

The Exchange believes that its proposed rule change is consistent with Section 6(b) of the Act¹⁴ in general, and furthers the objectives of section 6(b)(5) of the Act¹⁵ 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.

The disconnect feature of FIX connections is mandatory, however Members have the option to enable the cancellation of all orders for an entire session or select orders for cancellation on an order-by-order basis, which would result in the cancellation of orders submitted over a FIX Session when such session disconnects. The Exchange believes it is appropriate to offer an additional option for Members to have the Exchange cancel GTC orders from the order book when there is a communication issue between the Member and the Exchange, as a communication issue may or may not be quickly resolved.

Offering to cancel all orders (including GTC orders) allows the Member to customize Exchange risk protection functionality to align to a Member's business needs. Offering this type of order cancellation functionality to Members is consistent with the Act because it enables

¹³ The term "Help Desk" means the Exchange's control room consisting of Exchange staff authorized to make certain trading determinations on behalf of the Exchange. The Help Desk shall report to and be supervised by a senior executive officer of the Exchange. See Exchange Rule 100.

¹⁴ 15 U.S.C. 78f(b).

¹⁵ 15 U.S.C. 78f(b)(5).

Members to have greater control over the execution of their orders in the event there is a communication issue with the Exchange. The proposed order cancellation functionality is designed to mitigate the risk of a missed execution associated with a loss of communication with the Exchange. The proposed rule change is not unfairly discriminatory among market participants, as it is available equally to all market participants utilizing a FOI connection to the Exchange.

The Exchange believes that the proposed rule change will assist with the maintenance of a fair and orderly market by providing Members with greater control over their resting orders. The Exchange's proposal is consistent with the Act because it will mitigate the risk of potential erroneous or unintended executions associated with a loss of communication which protects investors and the public interest. Additionally, the proposed rule adds another level of risk protection for Members and protects investors and the public interest by increasing the risk protection options available to Members of the Exchange

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.

The Exchange does not believe that the proposed rule change to provide an additional risk protection imposes any burden on intra-market competition that is not necessary or appropriate in furtherance of the purposes of the Act. The Exchange believes that adding an optional risk protection benefits all Members on the Exchange that use a FOI connection as any Member with a FOI connection can elect to use the risk protection described in the proposed rule.

The Exchange does not believe the proposed rule change will impose any burden on inter-market competition that is not necessary or appropriate in furtherance of the purposes of the Act. For all the reasons stated, the Exchange does not believe that the proposed rule change will

impose any burden on competition not necessary or appropriate in furtherance of the purposes of the Act.

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 foregoing 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 after the date of the filing, or such shorter time as the Commission may designate, it has become effective pursuant to 19(b)(3)(A) of the Act¹⁶ and Rule 19b-4(f)(6)¹⁷ thereunder.

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 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:

¹⁶ 15 U.S.C. 78s(b)(3)(A).

¹⁷ 17 CFR 240.19b-4(f)(6). In addition, Rule 19b-4(f)(6) requires a self-regulatory organization to give the Commission written notice of its intent to file 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.

Electronic Comments:

- Use the Commission's Internet comment form (<http://www.sec.gov/rules/sro.shtml>); or
- Send an e-mail to rule-comments@sec.gov. Please include File Number SR-EMERALD-2022-35.

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-EMERALD-2022-35. This file number should be included on the subject line if e-mail 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-EMERALD-2022-35, and should be submitted on or before [insert date 21 days from publication in the Federal Register].

For the Commission, by the Division of Trading and Markets, pursuant to delegated authority.¹⁸

Sherry R. Haywood,
Assistant Secretary.

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¹⁸ 17 CFR 200.30-3(a)(12).