

Required fields are shown with yellow backgrounds and asterisks.

Page 1 of * <input type="text" value="73"/>	SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549 Form 19b-4	File No.* SR - <input type="text" value="2020"/> - * <input type="text" value="09"/>	Amendment No. (req. for Amendments *) <input type="text"/>
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Filing by Nasdaq GEMX, LLC  
Pursuant to Rule 19b-4 under the Securities Exchange Act of 1934

Initial * <input checked="" type="checkbox"/>	Amendment * <input type="checkbox"/>	Withdrawal <input type="checkbox"/>	Section 19(b)(2) * <input type="checkbox"/>	Section 19(b)(3)(A) * <input checked="" type="checkbox"/>	Section 19(b)(3)(B) * <input type="checkbox"/>
			Rule		
Pilot <input type="checkbox"/>	Extension of Time Period for Commission Action * <input type="checkbox"/>	Date Expires * <input type="text"/>	<input type="checkbox"/> 19b-4(f)(1)	<input type="checkbox"/> 19b-4(f)(4)	
			<input type="checkbox"/> 19b-4(f)(2)	<input type="checkbox"/> 19b-4(f)(5)	
			<input type="checkbox"/> 19b-4(f)(3)	<input checked="" type="checkbox"/> 19b-4(f)(6)	

Notice of proposed change pursuant to the Payment, Clearing, and Settlement Act of 2010	Security-Based Swap Submission pursuant to the Securities Exchange Act of 1934
Section 806(e)(1) * <input type="checkbox"/>	Section 806(e)(2) * <input type="checkbox"/>
Section 3C(b)(2) * <input type="checkbox"/>	

Exhibit 2 Sent As Paper Document <input type="checkbox"/>	Exhibit 3 Sent As Paper Document <input type="checkbox"/>
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**Description**

Provide a brief description of the action (limit 250 characters, required when Initial is checked \*).

Proposal to amend GEMX Rules at Options 3, Section 8, titled Options Opening Process

**Contact Information**

Provide the name, telephone number, and e-mail address of the person on the staff of the self-regulatory organization prepared to respond to questions and comments on the action.

First Name * <input type="text" value="Angela"/>	Last Name * <input type="text" value="Dunn"/>
Title * <input type="text" value="Principal Associate General Counsel"/>	
E-mail * <input type="text" value="Angela.dunn@nasdaq.com"/>	
Telephone * <input type="text" value="(215) 496-5692"/>	Fax <input type="text"/>

**Signature**

Pursuant to the requirements of the Securities Exchange Act of 1934,

has duly caused this filing to be signed on its behalf by the undersigned thereunto duly authorized.

(Title \*)

Date <input type="text" value="04/14/2020"/>	EVP and Chief Legal Officer
By <input type="text" value="John Zecca"/> <small>(Name *)</small>	

NOTE: Clicking the button at right will digitally sign and lock this form. A digital signature is as legally binding as a physical signature, and once signed, this form cannot be changed.

SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

For complete Form 19b-4 instructions please refer to the EFFS website.

**Form 19b-4 Information \***

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The self-regulatory organization must provide all required information, presented in a clear and comprehensible manner, to enable the public to provide meaningful comment on the proposal and for the Commission to determine whether the proposal is consistent with the Act and applicable rules and regulations under the Act.

**Exhibit 1 - Notice of Proposed Rule Change \***

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The Notice section of this Form 19b-4 must comply with the guidelines for publication in the Federal Register as well as any requirements for electronic filing as published by the Commission (if applicable). The Office of the Federal Register (OFR) offers guidance on Federal Register publication requirements in the Federal Register Document Drafting Handbook, October 1998 Revision. For example, all references to the federal securities laws must include the corresponding cite to the United States Code in a footnote. All references to SEC rules must include the corresponding cite to the Code of Federal Regulations in a footnote. All references to Securities Exchange Act Releases must include the release number, release date, Federal Register cite, Federal Register date, and corresponding file number (e.g., SR-[SRO]-xx-xx). A material failure to comply with these guidelines will result in the proposed rule change being deemed not properly filed. See also Rule 0-3 under the Act (17 CFR 240.0-3)

**Exhibit 1A- Notice of Proposed Rule Change, Security-Based Swap Submission, or Advance Notice by Clearing Agencies \***

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The Notice section of this Form 19b-4 must comply with the guidelines for publication in the Federal Register as well as any requirements for electronic filing as published by the Commission (if applicable). The Office of the Federal Register (OFR) offers guidance on Federal Register publication requirements in the Federal Register Document Drafting Handbook, October 1998 Revision. For example, all references to the federal securities laws must include the corresponding cite to the United States Code in a footnote. All references to SEC rules must include the corresponding cite to the Code of Federal Regulations in a footnote. All references to Securities Exchange Act Releases must include the release number, release date, Federal Register cite, Federal Register date, and corresponding file number (e.g., SR-[SRO]-xx-xx). A material failure to comply with these guidelines will result in the proposed rule change, security-based swap submission, or advance notice being deemed not properly filed. See also Rule 0-3 under the Act (17 CFR 240.0-3)

**Exhibit 2 - Notices, Written Comments, Transcripts, Other Communications**

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Exhibit Sent As Paper Document

Copies of notices, written comments, transcripts, other communications. If such documents cannot be filed electronically in accordance with Instruction F, they shall be filed in accordance with Instruction G.

**Exhibit 3 - Form, Report, or Questionnaire**

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Exhibit Sent As Paper Document

Copies of any form, report, or questionnaire that the self-regulatory organization proposes to use to help implement or operate the proposed rule change, or that is referred to by the proposed rule change.

**Exhibit 4 - Marked Copies**

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The full text shall be marked, in any convenient manner, to indicate additions to and deletions from the immediately preceding filing. The purpose of Exhibit 4 is to permit the staff to identify immediately the changes made from the text of the rule with which it has been working.

**Exhibit 5 - Proposed Rule Text**

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The self-regulatory organization may choose to attach as Exhibit 5 proposed changes to rule text in place of providing it in Item I and which may otherwise be more easily readable if provided separately from Form 19b-4. Exhibit 5 shall be considered part of the proposed rule change.

**Partial Amendment**

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If the self-regulatory organization is amending only part of the text of a lengthy proposed rule change, it may, with the Commission's permission, file only those portions of the text of the proposed rule change in which changes are being made if the filing (i.e. partial amendment) is clearly understandable on its face. Such partial amendment shall be clearly identified and marked to show deletions and additions.

1. Text of the Proposed Rule Change

(a) Nasdaq GEMX, LLC (“GEMX” or “Exchange”), 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> is filing with the Securities and Exchange Commission (“Commission”) a proposal to amend GEMX Rules at Options 3, Section 8, titled “Options Opening Process.”

A notice of the proposed rule change for publication in the Federal Register is attached as Exhibit 1. The text of the proposed rule change is attached as Exhibit 5.

(b) Not applicable.

(c) Not applicable.

2. Procedures of the Self-Regulatory Organization

The proposed rule change was approved by senior management of the Exchange pursuant to authority delegated by the Board of Directors of the Exchange (the “Board”) on September 25, 2019. Exchange staff will advise the Board of any action taken pursuant to delegated authority. No other action is necessary for the filing of the rule change.

Questions and comments on the proposed rule change may be directed to:

Angela Saccomandi Dunn  
Principal Associate General Counsel  
Nasdaq, Inc.  
215-496-5692

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

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

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

a. Purpose

The Exchange proposes to amend GEMX Rules at Options 3, Section 8, titled “Options Opening Process.” The proposal seeks to amend aspects of the current functionality of the Exchange’s System regarding the opening of trading in an option series. Each amendment is described below.

Definitions

The Exchange proposes to define the term “imbalance” at proposed Options 3, Section 8(a)(10) as the number of unmatched contracts priced through the Potential Opening Price. The Exchange believes that the addition of this defined term will bring greater clarity to the manner in which the term “imbalance” is defined within the System. This description is consistent with the current System operation. This is a non-substantive rule change. In conjunction with this rule change, the Exchange proposes to remove the text within Options 3, Section 8(j)(1) which seeks to define an imbalance as an unmatched contracts. The Exchange is proposing a description which is more specific than this rule text and is intended to bring greater clarity to the term “imbalance.”

Eligible Interest

Options 3, Section 8(b) describes the eligible interest that will be accepted during the Opening Process. This includes Valid Width Quotes, Opening Sweeps and orders. The Exchange proposes to specifically exclude orders with a Time in Force of “Immediate-or-Cancel”<sup>3</sup> and Add Liquidity Orders<sup>4</sup> from the type of orders that are

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<sup>3</sup> An Immediate-or-Cancel order is a limit order that is to be executed in whole or in part upon receipt. Any portion not so executed is to be treated as cancelled. An Immediate-or-Cancel order entered by a Market Maker through the Specialized

eligible during the Opening Process. Today, the Exchange does not accept Immediate-or-Cancel Orders during the Opening Process, except for Opening Only Orders.<sup>5</sup> The Exchange does permit orders marked as Opening Only Orders to be entered as Immediate-or-Cancel. These are the only acceptable Immediate-or-Cancel Orders for the Opening Process. All other types of Immediate-or-Cancel Orders may not be entered during the Opening Process. For example, All-or-None<sup>6</sup> Orders may not be entered during the Opening Process because they have a time-in-force designation of Immediate-or-Cancel. With respect to Add Liquidity Orders, these orders are not appropriate for the Opening Process because these orders cannot add liquidity during the Opening Process.

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Quote Feed protocol will not be subject to the Limit Order Price Protection and Size Limitation Protection as defined in GEMX Options 3, Section 15(b)(2) and (3). See Options 3, Section 7(b)(3).

<sup>4</sup> An Add Liquidity Order is a limit order that is to be executed in whole or in part on the Exchange (i) only after being displayed on the Exchange's limit order book; and (ii) without routing any portion of the order to another market center. Members may specify whether an Add Liquidity Order shall be cancelled or re-priced to the minimum price variation above the national best bid price (for sell orders) or below the national best offer price (for buy orders) if, at the time of entry, the order (i) is executable on the Exchange; or (ii) the order is not executable on the Exchange, but would lock or cross the national best bid or offer. If at the time of entry, an Add Liquidity Order would lock or cross one or more non-displayed orders on the Exchange, the Add Liquidity Order shall be cancelled or re-priced to the minimum price variation above the best non-displayed bid price (for sell orders) or below the best non-displayed offer price (for buy orders). An Add Liquidity Order will only be re-priced once and will be executed at the re-priced price. An Add Liquidity Order will be ranked in the Exchange's limit order book in accordance with Options 3, Section 10. See Options 3, Section 7(n).

<sup>5</sup> An Opening Only Order is a limit order that can be entered for the opening rotation only. Any portion of the order that is not executed during the opening rotation is cancelled. See Options 3, Section 7(o).

<sup>6</sup> An All-Or-None order is a limit or market order that is to be executed in its entirety or not at all. An All-Or-None Order may only be entered as an Immediate-or-Cancel Order. See Options 3, Section 7(c).

The Exchange notes that today, these orders may not be entered into the Opening Process. This amendment does not result in a System change. The Exchange believes the addition of this rule text will clarify which order types are eligible to be entered during the Opening Process. The Exchange also proposes to add commas to the second sentence of Options 3, Section 8(b).

Additionally, the Exchange proposes a non-substantive amendment at Options 3, Section 8(b)(2) to replace the phrase “aggregate the size of all eligible interest for a particular participant category at a particular price level for trade allocation purposes” with “allocate interest” pursuant to Options 3, Section 10. Options 3, Section 10 describes the manner in which interest is allocated on GEMX. The Exchange believes that simply referring to the allocation rule will accurately describe the manner in which the System will allocate interest.

#### Valid Width Quotes

The Exchange proposes to amend the requirements for GEMX Market Makers<sup>7</sup> to enter Valid Width Quotes within Options 3, Section 8(c). Today, a Primary Market Maker is required to enter a Valid Width Quote within two minutes (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange’s web site) of the opening trade or quote on the market for the underlying security in the case of equity options or, in the case of index options, within two minutes of the receipt of the opening price in the underlying index (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange's web site), or within two minutes of market opening for the underlying security in the case of U.S. dollar-settled

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<sup>7</sup> The term “Market Makers” refers to “Competitive Market Makers” and “Primary Market Makers” collectively. See Options 1, Section 1(a)(21).

foreign currency options (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange's web site). Alternatively, the Valid Width Quote of at least two Competitive Market Makers entered within the above-referenced timeframe would also open an option series. Finally, if neither the Primary Market Maker's Valid Width Quote nor the Valid Width Quotes of two Competitive Market Makers have been submitted within such timeframe, one Competitive Market Maker may submit a Valid Width Quote to open the options series.

The Exchange proposes to amend the requirement to submit Valid Width Quotes in an effort to streamline its current process. The Exchange proposes to continue to require a Primary Market Maker to submit a Valid Width Quote, but also would permit the Valid Width Quote of one Competitive Market Maker to open an option series without waiting for the two minute timeframe described above to conclude. This effectively would take the 2 step process for accepting quotes to a one step process. The Exchange believes this proposal would allow the market to open more efficiently as well as enable greater participation by Competitive Market Makers in the Opening Process. As is the case today, Primary Market Makers are required to ensure each option series to which it is appointed is opened each day by submitting a Valid Width Quote.<sup>8</sup> Moreover,

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<sup>8</sup> Options 3, Section 8(c)(3) provides, "The PMM assigned in a particular equity or index option must enter a Valid Width Quote, in 90% of their assigned series, not later than one minute following the dissemination of a quote or trade by the market for the underlying security or, in the case of index options, following the receipt of the opening price in the underlying index. The PMM assigned in a particular U.S. dollar-settled foreign currency option must enter a Valid Width Quote, in 90% of their assigned series, not later than one minute after the announced market opening. Provided an options series has not opened pursuant to Options 3, Section 8 (c)(1)(ii) or (iii), PMMs must promptly enter a Valid Width Quote in the remainder of their assigned series, which did not open within one minute following the dissemination of a quote or trade by the market for the

a Primary Market Maker has continuing obligations to quote intra-day pursuant to Options 2, Section 5.

#### Potential Opening Price

The Exchange proposes to amend Options 3, Section 8(g) to add an introductory sentence to the Potential Opening Process paragraph which provides, “The Potential Opening Price indicates a price where the System may open once all other Opening Process criteria is met.” This paragraph is not intended to amend the function of the Opening Process, rather it is intended to provide context to the process and describe a Potential Opening Price within Options 3, Section 8(g). This is a non-substantive amendment. The Exchange also proposes to correct the reference to (h)(3)(i) to (h)(3)(i).

An amendment is proposed to Options 3, Section 8(g)(3) to replace the words “Potential Opening Price calculation” with the more defined term “Opening Price.” The Opening Price is defined within Options 3, Section 8(a)(3) and provides, “The Opening Price is described herein in sections (h) and (j).” The Exchange notes that “Opening Price” is the more accurate term that represents current System functionality as compared to Potential Opening Price. Options 3, Section 8(g)(3) provides that “the Potential Opening Price calculation is bounded by the better away market price that may not be satisfied with the Exchange routable interest.” In fact, the Opening Price is bounded by the better away market price that may not be satisfied with Exchange routable interest pursuant to sections (h) and (j). The Potential Opening Price indicates a price where the System may open once all other Opening Process criteria is met. The Potential Opening

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underlying security or, in the case of index options, following the receipt of the opening price in the underlying index or, with respect to U.S. dollar-settled foreign currency options, following the announced market opening.”



Price is a less accurate term and the Exchange proposes to utilize the more precise term by changing the words in this sentence to “Opening Price” for specificity. This amendment is not substantive, rather it is clarifying.

#### Opening Quote Range

The Exchange proposes to add a sentence to Options 3, Section 8(i) to describe the manner in which the Opening Quote Range or “OQR” is bound. The Exchange proposes to provide, “OQR is constrained by the least aggressive limit prices within the broader limits of OQR. The least aggressive buy order or Valid Width Quote bid and least aggressive sell order or Valid Width Quote offer within the OQR will further bound the OQR.” The Exchange previously described<sup>9</sup> the OQR as an additional type of boundary beyond the boundaries mentioned in Options 3, Section 8 at proposed paragraph (j). OQR is intended to limit the Opening Price to a reasonable, middle ground price and thus reduce the potential for erroneous trades during the Opening Process. Although the Exchange applies other boundaries such as the Best Bid or Best Offer (“BBO”), the OQR is outside of the BBO. It is meant to provide a price that can satisfy more size without becoming unreasonable. The Exchange proposes to add rule text within Options 3, Section 8 to describe the manner in which today OQR is bound. This proposed amendment does not change the manner in which GEMX’s System operates today. The Exchange believes that this rule text will bring greater transparency to the manner in which the Exchange arrives at an Opening Price. Below is an example of the manner in which OQR is constrained.

Assume the below pre-opening interest:

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<sup>9</sup> See Securities Exchange Commission Release No. 80014 (February 10, 2017), 82 FR 10952 (February 16, 2017) (SR-GEMX-2016-18).

Primary Market Maker quotes 4.10 (100) x 4.20 (50)  
Order1: Priority Customer Buy 300 @ 4.39  
Order2: Priority Customer Sell 50 @ 4.13  
Order3: Priority Customer Sell 5 @ 4.37  
Opening Quote Range configuration in this scenario is +/- 0.18

9:30 a.m. events occur, underlying opens  
First imbalance message: Buy imbalance @ 4.20, 100 matched, 200 unmatched  
Next 4 imbalance messages: Buy imbalance @ **4.37**, 105 matched, 195 unmatched  
Potential Opening Price calculation would have been  $4.20 + 0.18 = 4.38$ , but OQR is further bounded by the least aggressive sell order @ 4.37

Order1 executes against Order2 50 @ 4.37  
Order1 executes against Primary Market Maker quote 50 @ 4.37  
Order1 executes against Order3 5 @ 4.37  
Remainder of Order1 cancels as it is through the Opening Price  
Primary Market Maker quote purges as its entire offer side volume has been exhausted

Similarly, the Exchange proposes to amend Options 3, Section 8(i)(3) which currently provides, “If one or more away markets are disseminating a BBO that is not crossed (the Opening Process will stop and an options series will not open if the ABBO becomes crossed pursuant to (c)(5)) and there are Valid Width Quotes on the Exchange that are executable against each other or the ABBO:”. The Exchange proposes to instead state, “If one or more away markets are disseminating a BBO that is not crossed (the Opening Process will stop and an options series will not open if the ABBO becomes crossed pursuant to (c)(5)) and there are Valid Width Quotes on the Exchange that *cross each other or are marketable against* the ABBO:”. The proposed language more accurately describes the current Opening Process. Valid Width Quotes are not routable and would not be executable against the ABBO. A similar change is also proposed to Options 3, Section 8(i)(4) to replace the words “are executable against” with “cross”. The Exchange believes that the amended rule text adds greater transparency to the Opening Process. These are non-substantive amendments.

The Exchange proposes to replace the phrase “route” with “route routable” and also replace the phrase “in price/time priority to satisfy the away market” with “pursuant to Options 3, Section 10(c)(1)(A)” at the end of Options 3, Section 8(i)(7). The final sentence would provide, “The System will route routable Public Customer interest pursuant to Options 3, Section 10(c)(1)(A).” The current rule text is imprecise. When routing, the Exchange first determine if the interest is routable. A DNR Order<sup>10</sup> would not be routable. Of the routable interest, the Exchange will route the interest in price/time priority to satisfy the away market interest. The Exchange believes changing the word “route” to “route routable” and adding the citation to the allocation rule within Options 3, Section 10 clarifies the meaning of this sentence and better explains the System handling. This is a non-substantive amendment which is intended to bring greater clarity to the Exchange’s Rules.

#### Price Discovery Mechanism

The Exchange proposes to add new rule text to Options 3, Section 8(j)(1)(A) to describe the information conveyed in an Imbalance Message. The Exchange proposes to provide at Options 3, Section 8(j)(1)(A),

An Imbalance Message will be disseminated showing a “0” volume and a \$0.00 price if: (1) no executions are possible but routable interest is priced at or through the ABBO; (2) internal quotes are crossing each other; or (3) there is a Valid Width Quote, but there is no Quality Opening Market. Where the Potential Opening Price is through the ABBO, an imbalance message will display the side of interest priced through the ABBO.

This rule text is consistent with the current operation of the System. The purpose of this proposed text is to provide greater information to market participants to explain the

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<sup>10</sup> The manner in which the System will handle orders marked with the instruction “Do-Not-Route” (“DNR” Orders) is described in Options 3, Section 8(j)(6).

information that is being conveyed when an imbalance message indicates “0” volume.

The Exchange believes that explaining the potential scenarios which led to the dissemination of a “0” volume, such as (1) when no executions are possible and routable interest is priced at or through the ABBO; (2) internal quotes are crossing; and (3) there is a Valid Width Quote, but there is no Quality Opening Market, will provide greater detail to the potential state of the interest available. The Exchange further clarifies in this new rule text, “Where the Potential Opening Price is through the ABBO, an imbalance message will display the side of interest priced through the ABBO.” The Exchange believes that this proposed text will bring greater transparency to the information available to market participants during the Opening Process.

The Exchange proposes to amend Options 3, Section 8(j)(3)(ii) to remove the phrase “at the Opening Price” within the paragraph in two places. The current second sentence of paragraph 8(j)(3)(ii) states, “If during the Route Timer, interest is received by the System which would allow the Opening Price to be within OQR without trading through away markets and without trading through the limit price(s) of interest within OQR which is unable to be fully executed at the Opening Price, the System will open with trades at the Opening Price and the Route Timer will simultaneously end.” The Exchange proposes to remove the words “at the Opening Price” because while anything traded on GEMX would be at the Opening Price, the trades that are routed away would be at an ABBO price which may differ from the GEMX Opening Price. To avoid any confusion, the Exchange is amending the sentence to remove the reference to the Opening Price. In addition, the Exchange proposes to add the phrase “and orders” to

Options 3, Section 8(j)(3)(ii) which currently only references quotes. During the Price Discovery Mechanism, both quotes and orders are considered.

The Exchange proposes to amend the last sentence of Options 3, Section 8(j)(5) to add the phrase “if consistent with the Member’s instructions” to the end of the paragraph to make clear that the instructions provided by a Member in terms of order types and routing would be applicable to interest entered during the Opening Process which remains eligible for intra-day trading. This amendment brings greater clarity to the Exchange’s Rules.

The Exchange proposes to amend the last sentence of Options 3, Section 8(j)(6) which provides, “The System will only route non-contingency Public Customer orders, except that only the full volume of Public Customer Reserve Orders may route.” The Exchange proposes to instead provide, “The System will only route non-contingency Public Customer orders, except that Public Customer Reserve Orders may route up to their full volume.” The Exchange is rewording the current sentence to make clear that Public Customer Reserve Orders may route up to their full volume. The current sentence is awkward in that it seems to imply that only full volume would route. This was not the intent of the sentence. As revised, the sentence more clearly conveys its intent. The Exchange believes that this amendment brings greater clarity to the rule.

The Exchange proposes to add an introductory sentence of Options 3, Section 8(j)(6)(i) which provides, “For contracts that are not routable, pursuant to Options 3, Section 8(j)(6), such as DNR Orders and orders priced through the Opening Price...”. The addition of this sentence is intended to provide context to the handling of orders. The Exchange opens and routes simultaneously during its Opening Process. This

proposed sentence is a transition sentence from Options 3, Section 8(j)(6), wherein the System executes and routes orders. Options 3, Section 8(j)(6)(i) describes DNR Orders, which are not routed. The proposed introductory sentence would reflect that Options 3, Section 8(j)(6) is intended to make clear that as DNR Orders and orders priced through the Opening Price are not routable orders that will cancel. The System will cancel any portion of a Do-Not-Route order that would otherwise have to be routed to the exchange(s) disseminating the ABBO for an opening to occur. An order or quote that is priced through the Opening Price will also be cancelled. All other interest will be eligible for trading after opening. This amended rule text is consistent with the behavior of the System. This non-substantive amendment is intended to add greater clarity to the Exchange's Rules. The Exchange also proposes to remove the phrase "will be cancelled", which is duplicative, and add the words "or quote" to the first sentence so it would provide, "[t]he System will cancel (1) any portion of a Do-Not-Route order that would otherwise have to be routed to the exchange(s) disseminating the ABBO for an opening to occur, or (2) any order or quote that is priced through the Opening Price. All other interest will be eligible for trading after opening." Today, any order or quote that is priced through the Opening Price will be cancelled. This new rule text makes clear that all interest applies.

The Exchange proposes to renumber current Options 3, Section 8(k) as Section 8(j)(6)(ii) and renumber current Options 3, Section 8(l) as Section 8(j)(6)(iii).

The Exchange proposes to add a new paragraph at Options 3, Section 8(j)(6)(iv) which provides, "Remaining contracts which are not priced through the Exchange Opening Price after routing a number of contracts to satisfy better priced away contracts

will be posted to the Order Book at the better of the away market price or the order's limit price." The Exchange notes that this paragraph describes current System behavior. This rule text accounts for orders which routed away and were returned unsatisfied to GEMX as well as interest that was unfilled during the Opening Process, provided it was not priced through the Opening Price. This sentence is being included to account for the manner in which all interest is handled today by GEMX and how certain interest rests on the order book once the Opening Process is complete. The Exchange notes that the posted interest will be priced at the better of the away market price or the order's limit price. This additional clarity will bring greater transparency to the Rules and is consistent with the Exchange's current System operation. The Exchange believes that this detail will provide market participants with all possible scenarios that may occur once GEMX opens an options series.

#### Opening Process Cancel Timer

The Exchange proposes to adopt an Opening Process Cancel Timer within Options 3, Section 8(k), similar to The Nasdaq Options Market LLC's ("NOM") Rules and Nasdaq BX, Inc.'s ("BX") at Options 3, Section 8(c).<sup>11</sup> The Exchange proposes to add a process whereby if an options series has not opened before the conclusion of the Opening Process Cancel Timer, a Member may elect to have orders returned by providing written notification to the Exchange. The Opening Process Cancel Timer

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<sup>11</sup> NOM Options 3, Section 8(c) provides, "Absence of Opening Cross. If an Opening Cross in a symbol is not initiated before the conclusion of the Opening Process Cancel Timer, a firm may elect to have orders returned by providing written notification to the Exchange. These orders include all non GTC orders received over the FIX protocol. The Opening Process Cancel Timer represents a period of time since the underlying market has opened, and shall be established and disseminated by Nasdaq on its website." BX Options 3, Section 8 is worded similarly.

would be established by the Exchange and posted on the Exchange's website. Similar to NOM and BX, orders submitted through OTTO or FIX with a TIF of Good-Till-Canceled<sup>12</sup> or "GTC" or Good-Till-Date<sup>13</sup> or "GTD" may not be cancelled. GEMX has monitored the operation of the Opening Process to identify instances where market efficiency can be enhanced. The Exchange believes that adopting a cancel timer similar to NOM and BX will increase the efficiency of GEMX's Opening Process. This provision would provide for the return of orders for un-opened options symbols. This enhancement will provide market participants the ability to elect to have orders returned, except for non-GTC/GTD Orders, when options do not open. It provides Members with choice about where, and when, they can send orders for the opening that would afford them the best experience. The Exchange believes that this additional feature will attract additional order flow to the Exchange. The proposed changes should prove to be very helpful to market participants, particularly those that are involved in adding liquidity during the Opening Cross. These proposed enhancements will allow GEMX to continue to have a robust Opening Process.

#### Implementation

The Exchange proposes to implement the amendments proposed herein prior to Q3 2020. The Exchange will issue an Options Trader Alert announcing the date of implementation.

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<sup>12</sup> An order to buy or sell that remains in force until the order is filled, canceled or the option contract expires; provided, however, that GTC Orders will be canceled in the event of a corporate action that results in an adjustment to the terms of an option contract. See Options 3, Section 7(r).

<sup>13</sup> A Good-Till-Date Order is a limit order to buy or sell which, if not executed, will be cancelled at the sooner of the end of the expiration date assigned to the order, or the expiration of the series. See Options 3, Section 7(p).



b. Statutory Basis

The Exchange believes that its proposal is consistent with Section 6(b) of the Act,<sup>14</sup> in general, and furthers the objectives of Section 6(b)(5) of the Act,<sup>15</sup> in particular, in that it is designed to promote just and equitable principles of trade and to protect investors and the public interest by enhancing its Opening Process. The Exchange believes that the proposed changes significantly improve the quality of execution of GEMX's opening.

Definitions

The Exchange's proposal to define the term "imbalance" at proposed Options 3, Section 8(a)(10) and remove the text within Options 3, Section 8(j)(1), which seeks to define an imbalance as an unmatched contract, will bring greater clarity to the manner in which the term "imbalance" is defined within the System. This is a non-substantive rule change and represents current System functionality. Today, the term "imbalance" is simply defined as unmatched contracts. The proposed definition is more precise in its representation of the current System functionality.

Eligible Interest

The Exchange's proposal to amend Options 3, Section 8(b) which describes the eligible interest that will be accepted during the Opening Process is consistent with the Act. Specifically, only accepting Opening Only Orders and excluding all other orders with a Time in Force of "Immediate-or-Cancel" is the manner in which the System operates today. The Exchange proposes to specifically note within the Opening Process

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<sup>14</sup> 15 U.S.C. 78f(b).

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

that all other Immediate-or-Cancel Orders would not be acceptable if they are not Opening Only Orders. Notwithstanding the foregoing, Opening Only Orders would be accepted. Further, Add Liquidity Orders are not accepted from the Opening Process because these orders cannot add liquidity during the Opening Process. The Exchange notes that today, both of these types of orders may not be entered into the Opening Process. The Exchange believes making clear which orders are not accepted within the Opening Process will bring greater transparency for market participants who desire to enter interest and understand the System handling.

The proposed amendment to Options 3, Section 8(b)(2) to replace the phrase “aggregate the size of all eligible interest for a particular participant category at a particular price level for trade allocation purposes” with “allocate interest pursuant to Options 3, Section 10 is consistent with the Act. This amendment is non-substantive and merely points to Options 3, Section 10, which today describes the manner in which interest is allocated on GEMX. The Exchange believes that simply referring to the allocation rule will accurately describe the manner in which the System will allocate interest.

#### Valid Width Quotes

The Exchange’s proposal to amend the requirements within Options 3, Section 8(c) for GEMX Market Makers to enter Valid Width Quotes by permitting the Valid Width Quote of one Competitive Market Maker to open an option series without waiting for the two minute timeframe is consistent with the Act. This proposal would allow the market to open more efficiently as well as enable greater participation by Competitive Market Makers in the Opening Process. A Primary Market Maker has continuing

obligations to quote throughout the trading day pursuant to Options 2, Section 5. In addition, Primary Market Makers are required to ensure each option series to which it is appointed is opened each day GEMX is open for business by submitting a Valid Width Quote.<sup>16</sup> Primary Market Makers will continue to remain responsible to open an options series, unless it is otherwise opened by a Competitive Market Maker. A Competitive Market Maker also has obligations to quote intra-day, once they commence quoting for that day.<sup>17</sup> The Exchange notes if Competitive Market Makers entered quotes during the Opening Process to open an option series, those quote must qualify as Valid Width Quotes. This ensures that the quotations that are entered are in alignment with standards that help ensure a quality opening. The Exchange believes that allowing one Competitive Market Maker to enter a quotation continues to protect investors and the general public because the Competitive Market Maker will be held to the same standard for entering quotes as a Primary Market Maker and the process will also ensure an efficient and timely opening, while continuing to hold Primary Market Makers responsible for entering Valid Width Quotes during the Opening Process.

#### Potential Opening Price

The Exchange's proposal to amend Options 3, Section 8(g) to add an introductory sentence to the Potential Opening Process which provides, "The Potential Opening Price indicates a price where the System may open once all other Opening Process criteria is met," is consistent with the Act. This paragraph is not intended to amend the current function of the Opening Process, rather it is intended to provide context to the process

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<sup>16</sup> See note 9 above.

<sup>17</sup> See Options 2, Section 5.

described within Options 3, Section 8(g). Specifically, the new text describes a Potential Opening Price. This rule text is consistent with the current operation of the System. This is a non-substantive amendment.

Further, the amendment to Options 3, Section 8(g)(3) to replace the words “Potential Opening Price calculation” with the more defined term “Opening Price” is consistent with the Act. “Opening Price” is the more accurate term that represents current System functionality. The Opening Price is bounded by any better away market price that may not be satisfied with the Exchange routable interest. Changing the words in this sentence to “Opening Price” will make this statement accurate. This amendment is not substantive.

#### Opening Quote Range

The Exchange’s proposal to add a sentence to Options 3, Section 8(i) to describe the manner in which the OQR is bound will bring greater clarity to the manner in which OQR is calculated. OQR is an additional type of boundary beyond the boundaries mentioned within the Opening Process rule. The System will calculate an OQR for a particular option series that will be utilized in the Price Discovery Mechanism if the Exchange has not opened, pursuant to the provisions in Options 3, Section 8(c)-(h). OQR would broaden the range of prices at which the Exchange may open to allow additional interest to be eligible for consideration in the Opening Process. OQR is intended to limit the Opening Price to a reasonable, middle ground price and thus reduce the potential for erroneous trades during the Opening Process. Although the Exchange applies other boundaries such as the BBO, the OQR provides a range of prices that may be able to satisfy additional contracts while still ensuring a reasonable Opening Price. More

specifically, the Exchange's Opening Price is bounded by the OQR without trading through the limit price(s) of interest within OQR, which is unable to fully execute at the Opening Price in order to provide participants with assurance that their orders will not be traded through. The Exchange seeks to execute as much volume as is possible at the Opening Price. The Exchange's method for determining the Potential Opening Price and Opening Price is consistent with the Act because the proposed process seeks to discover a reasonable price and considers both interest present in System as well as away market interest. The Exchange's method seeks to validate the Opening Price and avoid opening at aberrant prices. The rule provides for opening with a trade, which is consistent with the Act because it enables an immediate opening to occur within a certain boundary without the need for the price discovery process. The boundary provides protections while still ensuring a reasonable Opening Price. The Exchange's proposal protects investors and the general public by more clearly describing how the boundaries are handled by the System. This proposed amendment does not change the manner in which GEMX's System operates today. The Exchange believes that this rule text will bring greater transparency to the manner in which the Exchange arrives at an Opening Price.

The Exchange's proposal to amend Options 3, Section 8(i)(3) to replace the phrase "that are executable against each other or the ABBO:" with "that *cross each other or are marketable against* the ABBO:" will more accurately describes the current Opening Process. Valid Width Quotes are not routable and would not be executable against the ABBO. This rule text is more specific than "executable against each other." The Exchange believes that this rule text adds greater transparency to the Opening Process. This is a non-substantive amendment.

The Exchange's proposal to make a similar change to Options 3, Section 8(i)(4) to replace the words "are executable against" with "cross," is consistent with the Act. The Exchange believes that the amended rule text adds greater transparency to the Opening Process. These are non-substantive amendments.

The Exchange's proposal to replace the phrase "route" with "route routable" and also replace the phrase "in price/time priority to satisfy the away market" with "pursuant to Options 3, Section 10(c)(1)(A)" at the end of Options 3, Section 8(i)(7) is consistent with the Act. The current rule text is imprecise. When allocating, the Exchange first determines if the interest is routable, it may be marked as a DNR Order, which is not routable. Of the routable interest, the Exchange will route the interest in price/time priority to satisfy the away market interest. The Exchange believes changing the word "route" to "route routable" and adding the citation to the allocation rule within Options 3, Section 10 clarifies the meaning of this sentence and better explains the System handling. The final sentence would provide, "The System will route routable Public Customer interest pursuant to Options 3, Section 10(c)(1)(A)." This is a non-substantive amendment which is intended to bring greater clarity to the Exchange's Rules.

#### Price Discovery Mechanism

The Exchange's proposal to add new rule text at Options 3, Section 8(j)(1)(A) to describe the current operation of the System with respect to imbalance messages is consistent with the Act. The purpose of this proposed text is to provide greater information to market participants to explain the information that is being conveyed when an imbalance message indicates "0" volume. An imbalance process is intended to attract liquidity to improve the price at which an option series will open, as well as to maximize

the number of contracts that can be executed on the opening. This process will only occur if the Exchange has not been able to otherwise open an option series utilizing the other processes available in Options 3, Section 8. The Imbalance Timer is intended to provide a reasonable time for participants to respond to the Imbalance Message before any opening interest is routed to away markets and, thereby, maximize trading on the Exchange. The Exchange believes that the proposed rule text provides market participants with additional information as to the imbalance message. The following potential scenarios, which may lead to the dissemination of a “0” volume, include (1) when no executions are possible and routable interest is priced at or through the ABBO; (2) internal quotes are crossing; and (3) there is a Valid Width Quote, but there is no Quality Opening Market. The Exchange believes adding this detail will provide greater information as to the manner in which Imbalance Messages are disseminated today. The Exchange’s process of disseminating zero imbalance messages is consistent with the Act because the Exchange is seeking to identify a price on the Exchange without routing away, yet which price may not trade through another market and the quality of which is addressed by applying the OQR boundary. Announcing a price of zero will permit market participants to respond to the Imbalance Message, which interest would be considered in determining a fair and reasonable Opening Price.

The Exchange further proposes to clarify its current System functionality by stating, “Where the Potential Opening Price is through the ABBO, an imbalance message will display the side of interest priced through the ABBO.” The Exchange believes that this proposed text will bring greater transparency to the information available to market participants during the Opening Process.

The Exchange's proposal to amend Options 3, Section 8(j)(3)(ii) to remove the phrase "at the Opening Price" within the paragraph in two places is consistent with the Act because removing the current phrase will avoid confusion. The Exchange notes that anything traded on GEMX would be at the Opening Price, the trades that are routed away would be at an ABBO price, which differs from the GEMX Opening Price. To avoid any confusion the Exchange is amending the sentence to remove the reference to the Opening Price. In addition, the Exchange proposes to add the phrase "and orders" to Options 3, Section 8(j)(3)(ii) which currently only references quotes. During the Price Discovery Mechanism both quotes and orders are considered.

The Exchange's proposal to amend the last sentence of Options 3, Section 8(j)(5) to amend the phrase "if consistent with the Member's instructions" to the end of the paragraph will make clear that the instructions provided by a Member in terms of order types and routing would be applicable to interest entered during the Opening Process which remains eligible for intra-day trading. This proposal is consistent with the Act and will add greater clarity to the Exchange's Rules.

The Exchange's proposal to amend the last sentence of Options 3, Section 8(j)(6) to provide, "The System will only route non-contingency Public Customer orders, except that Public Customer Reserve Orders may route up to their full volume," is consistent with the Act. The Exchange is re-wording the current sentence to make clear that Public Customer Reserve Orders may route up to their full volume. The current sentence is awkward in that it seems to imply that only full volume would route. This was not the intent of the sentence. As revised, the sentence more clearly conveys its intent. The



Exchange believes that this amendment is non-substantive and is a more precise manner of expressing the quantity of Reserve Orders that may route.

The Exchange's proposal to add an introductory phrase to Options 3, Section 8(j)(6)(i) which provides, "For contracts that are not routable, pursuant to Options 3, Section 8(j)(6), such as DNR Orders and orders priced through the Opening Price...", is consistent with the Act. The addition of this sentence is intended simply to provide context to the handling of orders. The prior paragraph, Options 3, Section 8(j)(6), describes how the System executes and routes orders. This proposed new text explains why DNR Orders are cancelled. This sentence is being added to indicate that at this stage in the Opening Process, routable interest would have routed, non-routable interest does not route and may not execute if priced through the Opening Price. This information is currently not contained within the rules, however the rule text is consistent with the behavior of the System. This non-substantive amendment is consistent with the Act because it adds greater clarity to the Exchange's Rules.

The proposal to remove the duplicative text "will be cancelled" and add the words "or quote" to the second sentence are non-substantive rule changes. All other interest will be eligible for trading after opening," is consistent with the Act. Today, any order or quote that is priced through the Opening Price will be cancelled. This rule text is consistent with the System's current operation. This amendment is intended to add greater clarity to the Exchange's Rules.

The Exchange's proposal to add a new paragraph at Options 3, Section 8(j)(6)(iv) which provides, "Remaining contracts which are not priced through the Exchange Opening Price after routing a number of contracts to satisfy better priced away contracts

will be posted to the Order Book at the better of the away market price or the order's limit price," will bring greater transparency to the handling of orders once an option series is opened for trading. After away interest is cleared by routable interest and the opening cross has occurred, DNR Orders are handled by the System. DNR Order interest will rest on the Order Book, provided it was not priced through the Opening Price. This rule text accounts for orders which have routed away and returned to GEMX unsatisfied and also accounts for interest that remains unfilled during the Opening Process, provided it was not priced through the Opening Price. The Exchange notes that the posted interest will be priced at the better of the away market price or the order's limit price. This additional clarity will protect investors and the general public by adding greater transparency to the Exchange's current System operation by explaining how all interest is handled during the Opening Process. The Exchange believes that this detail will provide market participants with all possible scenarios that may occur once GEMX opens its options series. This amendment represents the System's current function.

#### Opening Process Cancel Timer

The Exchange's proposal to adopt an Opening Process Cancel Timer within Options 3, Section 8(k), similar to NOM's and BX's Rules at Options 3, Section 8(c) is consistent with the Act. The Exchange's proposal to add a process whereby if an options series has not opened before the conclusion of the Opening Process Cancel Timer, a Member may elect to have orders returned by providing written notification to the Exchange is consistent with the Act. GEMX believes that this amendment will promote just and equitable principles of trade and to protect investors and the public interest by enhancing its Opening Process. Adopting a cancel timer similar to NOM and BX will

increase the efficiency of GEMX's Opening Process by providing Members with the ability to elect to have orders returned, except for non-GTC/GTD orders. This functionality provides Members with choice, when symbols do not open, about where, and when, they can send orders for the opening that would afford them the best experience. The Exchange believes that this additional feature will attract additional order flow to the Exchange. The proposed changes should prove to be very helpful to market participants, particularly those that are involved in adding liquidity during the Opening Cross. These proposed enhancements will allow GEMX to continue to have a robust Opening Process.

4. 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 not necessary or appropriate in furtherance of the purposes of the Act. While the Exchange does not believe that the proposal should have any direct impact on competition, it believes the proposal will enhance the Opening Process by making it more efficient and beneficial to market participants. Moreover, the Exchange believes that the proposed amendments will significantly improve the quality of execution of GEMX's Opening Process. The proposed amendments provide market participants more choice about where, and when, they can send orders for the opening that would afford them the best experience. The Exchange believes that this should attract new order flow.

The Exchange's proposal to define the term "imbalance" at proposed Options 3, Section 8(a)(10) and remove the text within Options 3, Section 8(j)(1), which seeks to define an imbalance as an unmatched contract does not impose an undue burden on competition. The Exchange believes that the addition of this defined term will bring

greater clarity to the manner in which the term “imbalance” is defined within the System. This description is consistent with the current System operation. This is a non-substantive rule change.

The Exchange’s proposal to specifically exclude orders with a Time in Force of “Immediate-or-Cancel” and Add Liquidity Orders from the type of orders that are eligible during the Opening Process does not impose an undue burden on competition. The Exchange notes that today all market participants may enter Opening Only Orders. Today, the Exchange does not permit Immediate-or-Cancel Orders to be entered unless they are Opening Only Orders. With respect to Add Liquidity Orders, these orders are not appropriate for the Opening Process because these orders cannot add liquidity during the Opening Process and would not be accepted from any market participant today. The addition of these exceptions does not impact any market participant as today all market participants are restricted from utilizing “Immediate-or-Cancel” or Add Liquidity Orders.

The Exchange’s proposal to amend the requirements within Options 3, Section 8(c) for GEMX Market Makers to enter Valid Width Quotes by permitting the Valid Width Quote of one Competitive Market Maker to open an option series without waiting for the two minute timeframe does not impose an undue burden on competition. This proposal would allow the market to open more efficiently as well as enable greater participation by Competitive Market Makers in the Opening Process. Primary Market Makers continue to remain obligated to open their appointed options series. Competitive Market Maker may participate in the Opening Process, as is the case today, provided they enter Valid Width Quotes, which is intended to ensure a quality opening. The Exchange

does not believe this proposal would burden the ability of market participants who enter quotes to participate in the Opening Process.

The Exchange's proposal to add a sentence to Options 3, Section 8(i) to describe the manner in which the OQR is bound does not impose an undue burden on competition. OQR is intended to limit the Opening Price to a reasonable, middle ground price and thus reduce the potential for erroneous trades during the Opening Process. The Exchange's method seeks to validate the Opening Price and avoid opening at aberrant prices for the protection of all investors. This proposed amendment does not change the manner in which GEMX's System operates today. The Exchange believes that this rule text will bring greater transparency to the manner in which the Exchange arrives at an Opening Price.

The Exchange's proposal to add new rule text at Options 3, Section 8(j)(1)(A) to describe the current operation of the System with respect to imbalance messages does not impose an undue burden on competition. The purpose of this proposed text is to provide greater information to market participants to explain the information that is being conveyed when an imbalance message indicates "0" volume. All market participants are able to respond to an imbalance messages and have their interest considered in determining a fair and reasonable Opening Price.

The Exchange's proposal to adopt an Opening Process Cancel Timer within Options 3, Section 8(k), similar to NOM's and BX's Rules at Options 3, Section 8(c), does not impose an undue burden on competition. Adopting a cancel timer similar to NOM and BX will increase the efficiency of GEMX's Opening Process for all market participants. All market participants will have the ability to elect to have orders returned,

except for non-GTC/GTD orders, when symbols do not open. This feature provides Members with choice about where, and when, they can send orders for the opening that would afford them the best experience. The Exchange believes that this additional feature will attract additional order flow to the Exchange.

The remainder of the proposed rule text is intended to bring greater transparency to the Opening Process rule while also adding additional detail and clarity and therefore does not have an impact on competition.

5. Self-Regulatory Organization's Statement on Comments on the Proposed Rule Change Received from Members, Participants, or Others

No written comments were either solicited or received.

6. Extension of Time Period for Commission Action

The Exchange does not consent to an extension of the time period for Commission action.

7. Basis for Summary Effectiveness Pursuant to Section 19(b)(3) or for Accelerated Effectiveness Pursuant to Section 19(b)(2)

The foregoing rule change has become effective pursuant to Section 19(b)(3)(A)(iii)<sup>18</sup> of the Act and Rule 19b-4(f)(6) thereunder<sup>19</sup> in that it effects a change that: (i) does not significantly affect the protection of investors or the public interest; (ii) does not impose any significant burden on competition; and (iii) by its terms, does not become operative for 30 days after the date of the filing, or such shorter time as the Commission may designate if consistent with the protection of investors and the public interest.

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<sup>18</sup> 15 U.S.C. 78s(b)(3)(A)(iii).

<sup>19</sup> 17 CFR 240.19b-4(f)(6).a

The Exchange believes that this proposal does not significantly affect the protection of investors or the public interest. The Exchange's proposal to define the term "imbalance" at proposed Options 3, Section 8(a)(10) as the number of unmatched contracts priced through the Potential Opening Price does not significantly affect the protection of investors or the public interest. Defining imbalance will bring greater clarity to the manner in which the term "imbalance" is defined within the System. Describing the exceptions to eligible orders within Options 3, Section 8(b), for orders with a Time in Force of "Immediate-or-Cancel" and Add Liquidity Orders does not significantly affect the protection of investors or the public interest. These orders are not accepted today as eligible interest during the Opening Process. The Exchange also notes that Opening Only Orders would continue to be accepted. The Exchange's proposal to amend the requirements to enter Valid Width Quotes by permitting the Valid Width Quote of one GEMX Competitive Market Maker to open an option series without waiting the two minute timeframe does not significantly affect the protection of investors or the public interest. This proposal would allow the market to open more efficiently as well as enable greater participation by Competitive Market Makers in the Opening Process, provided they enter Valid Width Quotes. Primary Market Makers would remain responsible to ensure each option series to which it is appointed is opened each day GEMX is open for business by submitting a Valid Width Quote, unless the options series is otherwise opened by a Competitive Market Maker. The Exchange notes if Competitive Market Makers entered quotes during the Opening Process to open an option series, those quote must qualify as Valid Width Quotes. This ensures that the quotations that are entered are in alignment with standards that help ensure a quality opening. The

Exchange believes that allowing one Competitive Market Maker to enter a quotation does not significantly affect the protection of investors or the public interest because the Competitive Market Maker will be held to the same standard for entering quotes as a Primary Market Maker and the process will also ensure an efficient and timely opening, while continuing to hold Primary Market Makers responsible for entering Valid Width Quotes during the Opening Process. The Exchange's proposal to add a sentence to Options 3, Section 8(i) to describe the manner in which the OQR is bound does not significantly affect the protection of investors or the public interest because it make clear the manner in which the System determines the Potential Opening Price and Opening Price. This rule enables an immediate opening to occur within a certain boundary without the need for the price discovery process. The Exchange's proposal to add new rule text at Options 3, Section 8(j)(1)(A) to describe the current operation of the System with respect to imbalance messages does not significantly affect the protection of investors or the public interest, rather, the proposal will provide greater information to market participants to explain the information that is being conveyed when an imbalance message indicates "0" volume. Announcing a price of zero will permit market participants to respond to the Imbalance Message, which interest will contribute to the interest that would be considered in determining a fair and reasonable Opening Price. The Exchange's proposal to add a new paragraph at Options 3, Section 8(j)(6)(iv) does not significantly affect the protection of investors or the public interest, rather, it brings greater transparency to the handling of orders once an option series is opened for trading. After routable interest and DNR Orders are handled by the System, all other interest will rest on the Order Book, provided it was not priced through the Opening Price. This



additional clarity will bring greater transparency to the manner in which all interest is handled during the Opening Process today. The Exchange's proposal to adopt an Opening Process Cancel Timer at Options 3, Section 8(k), similar to NOM's and BX's Rules at Options 3, Section 8(c), does not significantly affect the protection of investors or the public interest, rather, it will increase the efficiency of GEMX's Opening Process by providing market participants the ability to elect to have orders returned, except for non-GTC/GTD orders. Also, when symbols do not open, the proposed functionality provides Members with choice about where, and when, they can send orders for the opening that would afford them the best experience. The Exchange believes that this additional feature will attract additional order flow to the Exchange. The remainder of the proposed rule text is intended to bring greater transparency to the Opening Process rule while also adding additional detail and clarity and therefore will not significantly affect the protection of investors or the public interest. The proposed changes should prove to be very helpful to market participants, particularly those that are involved in adding liquidity during the Opening Cross. These proposed enhancements will allow GEMX to continue to have a robust Opening Process.

The proposal does not impose any significant burden on competition. The Exchange's proposal to define the term "imbalance" at proposed Options 3, Section 8(a)(10) does not impose any significant burden on competition. This proposal is consistent with the current System operation. The proposal to describe the eligible interest that will not be accepted during the Opening Process, specifically orders with a Time in Force of "Immediate-or-Cancel" and Add Liquidity Orders, does not impose any significant burden on competition. This proposal will apply to all market participants.

Today, no market participants may enter an Immediate-or-Cancel Order, other than an Opening Only Order, and no market participant may enter an Add Liquidity Order. All market participants may utilize Opening Only Orders during the Opening Process. The Exchange's proposal to amend the requirements to enter Valid Width Quotes by permitting the Valid Width Quote of one GEMX Competitive Market Maker to open an option series without waiting for the two minute timeframe does not impose any significant burden on competition. This proposal would allow the market to open more efficiently. Primary Market Makers would continue to be required to enter a Valid Width Quote to open their assigned options series and Competitive Market Makers may continue to participate in the Opening Process, provided they enter a Valid Width Quote. All Competitive Market Makers will be held to the same standard for entering quotes as a Primary Market Maker and the process will also ensure an efficient and timely opening, while continuing to hold Primary Market Makers responsible for entering Valid Width Quotes during the Opening Process. The proposal would ensure an efficient and timely opening for all market participants. The Exchange's proposal to add a sentence to Options 3, Section 8(i) to describe the manner in which the OQR is bound does not impose any significant burden on competition. This proposal will bring greater clarity to the manner in which the Exchange arrives at an Opening Price. The boundary provides protections while still ensuring a reasonable Opening Price for all market participants. The Exchange's proposal to add new rule text at Options 3, Section 8(j)(1)(A) to describe the current operation of the System with respect to imbalance messages does not impose any significant burden on competition. This proposal explains the information that is being conveyed when an imbalance message indicates "0" volume. All market

participants may respond with interest which would be considered in determining a fair and reasonable Opening Price. The Exchange's proposal to add a new paragraph at Options 3, Section 8(j)(6)(iv) does not impose any significant burden on competition. The proposal will bring greater transparency to the handling of orders once an option series is opened for trading. The Exchange believes that this detail will provide market participants with all possible scenarios that may occur once GEMX opens its options series. The Exchange's proposal to adopt an Opening Process Cancel Timer within Options 3, Section 8(k), similar to NOM's and BX's Rules at Options 3, Section 8(c) does not impose any significant burden on competition. This proposal will increase the efficiency of GEMX's Opening Process for all market participants. All market participants will have the ability to elect to have orders returned, except for non-GTC/GTD orders, when symbols do not open. This functionality provides Members with choice about where, and when, they can send orders for the opening that would afford them the best experience. The remainder of the proposed rule text is intended to bring greater transparency to the Opening Process rule while also adding additional detail and clarity and therefore will not impose any significant burden on competition.

Furthermore, Rule 19b-4(f)(6)(iii) requires a self-regulatory organization to give the Commission written notice of its intent to file a proposed rule change under that subsection at least five business days prior to the date of filing, or such shorter time as designated by the Commission. The Exchange has provided such notice.

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: (i) necessary or appropriate in the public interest; (ii) for

the protection of investors; or (iii) 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.

A proposed rule change filed under Rule 19b-4(f)(6) normally does not become operative prior to 30 days after the date of filing. Rule 19b-4(f)(6)(iii), however, permits the Commission to designate a shorter time if such action is consistent with the protection of investors and the public interest. The Exchange requests that the Commission waive the 30-day operative delay contained in Rule 19b-4(f)(6)(iii) so that it may amend its Opening Process Rule. The Exchange believes that the amendments significantly improve the quality of execution of GEMX's Opening Process. Specifically, the proposal should enhance the Opening Process by making it more efficient and beneficial to Members by improving the quality of execution of GEMX's Opening Process. The proposal provides Members with more choice about where, and when, they can send orders for the opening that would afford them the best experience. The Exchange believes that this proposal will enhance the Opening Process such that it should attract new order flow.

8. Proposed Rule Change Based on Rules of Another Self-Regulatory Organization or of the Commission

The proposed cancel timer is similar to NOM's and BX's Rules at Options 3, Section 8(c), except that BX only has a FIX protocol.

9. Security-Based Swap Submissions Filed Pursuant to Section 3C of the Act

Not applicable.

10. Advance Notices Filed Pursuant to Section 806(e) of the Payment, Clearing and Settlement Supervision Act

Not applicable.

11. Exhibits

1. Notice of Proposed Rule Change for publication in the Federal Register.
5. Text of the proposed rule change.

**EXHIBIT 1**

SECURITIES AND EXCHANGE COMMISSION  
(Release No. \_\_\_\_\_ ; File No. SR-GEMX-2020-09)

April \_\_, 2020

Self-Regulatory Organizations; Nasdaq GEMX, LLC; Notice of Filing and Immediate Effectiveness of Proposed Rule Change to Amend GEMX Rules at Options 3, Section 8, titled Options Opening Process

Pursuant to Section 19(b)(1) of the Securities Exchange Act of 1934 (“Act”),<sup>1</sup> and Rule 19b-4 thereunder,<sup>2</sup> notice is hereby given that on April 14, 2020, Nasdaq GEMX, LLC (“GEMX” or “Exchange”) filed with the Securities and Exchange Commission (“SEC” or “Commission”) the proposed rule change as described in Items I, II, and III, below, which Items have been prepared by the Exchange. The Commission is publishing this notice to solicit comments on the proposed rule change from interested persons.

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

The Exchange proposes to amend GEMX Rules at Options 3, Section 8, titled “Options Opening Process.”

The text of the proposed rule change is available on the Exchange’s Website at <http://nasdaqgemx.cchwallstreet.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 Exchange included statements concerning the purpose of and basis for the proposed rule change and discussed any comments it

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

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

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 GEMX Rules at Options 3, Section 8, titled "Options Opening Process." The proposal seeks to amend aspects of the current functionality of the Exchange's System regarding the opening of trading in an option series. Each amendment is described below.

Definitions

The Exchange proposes to define the term "imbalance" at proposed Options 3, Section 8(a)(10) as the number of unmatched contracts priced through the Potential Opening Price. The Exchange believes that the addition of this defined term will bring greater clarity to the manner in which the term "imbalance" is defined within the System. This description is consistent with the current System operation. This is a non-substantive rule change. In conjunction with this rule change, the Exchange proposes to remove the text within Options 3, Section 8(j)(1) which seeks to define an imbalance as an unmatched contracts. The Exchange is proposing a description which is more specific than this rule text and is intended to bring greater clarity to the term "imbalance."

Eligible Interest

Options 3, Section 8(b) describes the eligible interest that will be accepted during the Opening Process. This includes Valid Width Quotes, Opening Sweeps and orders. The Exchange proposes to specifically exclude orders with a Time in Force of

“Immediate-or-Cancel”<sup>3</sup> and Add Liquidity Orders<sup>4</sup> from the type of orders that are eligible during the Opening Process. Today, the Exchange does not accept Immediate-or-Cancel Orders during the Opening Process, except for Opening Only Orders.<sup>5</sup> The Exchange does permit orders marked as Opening Only Orders to be entered as Immediate-or-Cancel. These are the only acceptable Immediate-or-Cancel Orders for the Opening Process. All other types of Immediate-or-Cancel Orders may not be entered during the Opening Process. For example, All-or-None<sup>6</sup> Orders may not be entered

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<sup>3</sup> An Immediate-or-Cancel order is a limit order that is to be executed in whole or in part upon receipt. Any portion not so executed is to be treated as cancelled. An Immediate-or-Cancel order entered by a Market Maker through the Specialized Quote Feed protocol will not be subject to the Limit Order Price Protection and Size Limitation Protection as defined in GEMX Options 3, Section 15(b)(2) and (3). See Options 3, Section 7(b)(3).

<sup>4</sup> An Add Liquidity Order is a limit order that is to be executed in whole or in part on the Exchange (i) only after being displayed on the Exchange's limit order book; and (ii) without routing any portion of the order to another market center. Members may specify whether an Add Liquidity Order shall be cancelled or re-priced to the minimum price variation above the national best bid price (for sell orders) or below the national best offer price (for buy orders) if, at the time of entry, the order (i) is executable on the Exchange; or (ii) the order is not executable on the Exchange, but would lock or cross the national best bid or offer. If at the time of entry, an Add Liquidity Order would lock or cross one or more non-displayed orders on the Exchange, the Add Liquidity Order shall be cancelled or re-priced to the minimum price variation above the best non-displayed bid price (for sell orders) or below the best non-displayed offer price (for buy orders). An Add Liquidity Order will only be re-priced once and will be executed at the re-priced price. An Add Liquidity Order will be ranked in the Exchange's limit order book in accordance with Options 3, Section 10. See Options 3, Section 7(n).

<sup>5</sup> An Opening Only Order is a limit order that can be entered for the opening rotation only. Any portion of the order that is not executed during the opening rotation is cancelled. See Options 3, Section 7(o).

<sup>6</sup> An All-Or-None order is a limit or market order that is to be executed in its entirety or not at all. An All-Or-None Order may only be entered as an Immediate-or-Cancel Order. See Options 3, Section 7(c).



during the Opening Process because they have a time-in-force designation of Immediate-or-Cancel. With respect to Add Liquidity Orders, these orders are not appropriate for the Opening Process because these orders cannot add liquidity during the Opening Process. The Exchange notes that today, these orders may not be entered into the Opening Process. This amendment does not result in a System change. The Exchange believes the addition of this rule text will clarify which order types are eligible to be entered during the Opening Process. The Exchange also proposes to add commas to the second sentence of Options 3, Section 8(b).

Additionally, the Exchange proposes a non-substantive amendment at Options 3, Section 8(b)(2) to replace the phrase “aggregate the size of all eligible interest for a particular participant category at a particular price level for trade allocation purposes” with “allocate interest” pursuant to Options 3, Section 10. Options 3, Section 10 describes the manner in which interest is allocated on GEMX. The Exchange believes that simply referring to the allocation rule will accurately describe the manner in which the System will allocate interest.

#### Valid Width Quotes

The Exchange proposes to amend the requirements for GEMX Market Makers<sup>7</sup> to enter Valid Width Quotes within Options 3, Section 8(c). Today, a Primary Market Maker is required to enter a Valid Width Quote within two minutes (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange’s web site) of the opening trade or quote on the market for the underlying security in the case of equity options or, in the case of index options, within two minutes of the receipt of the

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<sup>7</sup> The term “Market Makers” refers to “Competitive Market Makers” and “Primary Market Makers” collectively. See Options 1, Section 1(a)(21).

opening price in the underlying index (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange's web site), or within two minutes of market opening for the underlying security in the case of U.S. dollar-settled foreign currency options (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange's web site). Alternatively, the Valid Width Quote of at least two Competitive Market Makers entered within the above-referenced timeframe would also open an option series. Finally, if neither the Primary Market Maker's Valid Width Quote nor the Valid Width Quotes of two Competitive Market Makers have been submitted within such timeframe, one Competitive Market Maker may submit a Valid Width Quote to open the options series.

The Exchange proposes to amend the requirement to submit Valid Width Quotes in an effort to streamline its current process. The Exchange proposes to continue to require a Primary Market Maker to submit a Valid Width Quote, but also would permit the Valid Width Quote of one Competitive Market Maker to open an option series without waiting for the two minute timeframe described above to conclude. This effectively would take the 2 step process for accepting quotes to a one step process. The Exchange believes this proposal would allow the market to open more efficiently as well as enable greater participation by Competitive Market Makers in the Opening Process. As is the case today, Primary Market Makers are required to ensure each option series to which it is appointed is opened each day by submitting a Valid Width Quote.<sup>8</sup> Moreover,

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<sup>8</sup> Options 3, Section 8(c)(3) provides, "The PMM assigned in a particular equity or index option must enter a Valid Width Quote, in 90% of their assigned series, not later than one minute following the dissemination of a quote or trade by the market for the underlying security or, in the case of index options, following the receipt of the opening price in the underlying index. The PMM assigned in a

a Primary Market Maker has continuing obligations to quote intra-day pursuant to Options 2, Section 5.

#### Potential Opening Price

The Exchange proposes to amend Options 3, Section 8(g) to add an introductory sentence to the Potential Opening Process paragraph which provides, “The Potential Opening Price indicates a price where the System may open once all other Opening Process criteria is met.” This paragraph is not intended to amend the function of the Opening Process, rather it is intended to provide context to the process and describe a Potential Opening Price within Options 3, Section 8(g). This is a non-substantive amendment. The Exchange also proposes to correct the reference to (h)(3)(i) to (h)(3)(i).

An amendment is proposed to Options 3, Section 8(g)(3) to replace the words “Potential Opening Price calculation” with the more defined term “Opening Price.” The Opening Price is defined within Options 3, Section 8(a)(3) and provides, “The Opening Price is described herein in sections (h) and (j).” The Exchange notes that “Opening Price” is the more accurate term that represents current System functionality as compared to Potential Opening Price. Options 3, Section 8(g)(3) provides that “the Potential Opening Price calculation is bounded by the better away market price that may not be satisfied with the Exchange routable interest.” In fact, the Opening Price is bounded by

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particular U.S. dollar-settled foreign currency option must enter a Valid Width Quote, in 90% of their assigned series, not later than one minute after the announced market opening. Provided an options series has not opened pursuant to Options 3, Section 8 (c)(1)(ii) or (iii), PMMs must promptly enter a Valid Width Quote in the remainder of their assigned series, which did not open within one minute following the dissemination of a quote or trade by the market for the underlying security or, in the case of index options, following the receipt of the opening price in the underlying index or, with respect to U.S. dollar-settled foreign currency options, following the announced market opening.”

the better away market price that may not be satisfied with Exchange routable interest pursuant to sections (h) and (j). The Potential Opening Price indicates a price where the System may open once all other Opening Process criteria is met. The Potential Opening Price is a less accurate term and the Exchange proposes to utilize the more precise term by changing the words in this sentence to “Opening Price” for specificity. This amendment is not substantive, rather it is clarifying.

#### Opening Quote Range

The Exchange proposes to add a sentence to Options 3, Section 8(i) to describe the manner in which the Opening Quote Range or “OQR” is bound. The Exchange proposes to provide, “OQR is constrained by the least aggressive limit prices within the broader limits of OQR. The least aggressive buy order or Valid Width Quote bid and least aggressive sell order or Valid Width Quote offer within the OQR will further bound the OQR.” The Exchange previously described<sup>9</sup> the OQR as an additional type of boundary beyond the boundaries mentioned in Options 3, Section 8 at proposed paragraph (j). OQR is intended to limit the Opening Price to a reasonable, middle ground price and thus reduce the potential for erroneous trades during the Opening Process. Although the Exchange applies other boundaries such as the Best Bid or Best Offer (“BBO”), the OQR is outside of the BBO. It is meant to provide a price that can satisfy more size without becoming unreasonable. The Exchange proposes to add rule text within Options 3, Section 8 to describe the manner in which today OQR is bound. This proposed amendment does not change the manner in which GEMX’s System operates today. The Exchange believes that this rule text will bring greater transparency to the

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<sup>9</sup> See Securities Exchange Commission Release No. 80014 (February 10, 2017), 82 FR 10952 (February 16, 2017) (SR-GEMX-2016-18).

manner in which the Exchange arrives at an Opening Price. Below is an example of the manner in which OQR is constrained.

Assume the below pre-opening interest:

Primary Market Maker quotes 4.10 (100) x 4.20 (50)

Order1: Priority Customer Buy 300 @ 4.39

Order2: Priority Customer Sell 50 @ 4.13

Order3: Priority Customer Sell 5 @ 4.37

Opening Quote Range configuration in this scenario is +/- 0.18

9:30 a.m. events occur, underlying opens

First imbalance message: Buy imbalance @ 4.20, 100 matched, 200 unmatched

Next 4 imbalance messages: Buy imbalance @ **4.37**, 105 matched, 195 unmatched

Potential Opening Price calculation would have been  $4.20 + 0.18 = 4.38$ , but OQR is further bounded by the least aggressive sell order @ 4.37

Order1 executes against Order2 50 @ 4.37

Order1 executes against Primary Market Maker quote 50 @ 4.37

Order1 executes against Order3 5 @ 4.37

Remainder of Order1 cancels as it is through the Opening Price

Primary Market Maker quote purges as its entire offer side volume has been exhausted

Similarly, the Exchange proposes to amend Options 3, Section 8(i)(3) which currently provides, “If one or more away markets are disseminating a BBO that is not crossed (the Opening Process will stop and an options series will not open if the ABBO becomes crossed pursuant to (c)(5)) and there are Valid Width Quotes on the Exchange that are executable against each other or the ABBO:”. The Exchange proposes to instead state, “If one or more away markets are disseminating a BBO that is not crossed (the Opening Process will stop and an options series will not open if the ABBO becomes crossed pursuant to (c)(5)) and there are Valid Width Quotes on the Exchange that *cross each other or are marketable against* the ABBO:”. The proposed language more accurately describes the current Opening Process. Valid Width Quotes are not routable and would not be executable against the ABBO. A similar change is also proposed to Options 3, Section 8(i)(4) to replace the words “are executable against” with “cross”.

The Exchange believes that the amended rule text adds greater transparency to the Opening Process. These are non-substantive amendments.

The Exchange proposes to replace the phrase “route” with “route routable” and also replace the phrase “in price/time priority to satisfy the away market” with “pursuant to Options 3, Section 10(c)(1)(A)” at the end of Options 3, Section 8(i)(7). The final sentence would provide, “The System will route routable Public Customer interest pursuant to Options 3, Section 10(c)(1)(A).” The current rule text is imprecise. When routing, the Exchange first determine if the interest is routable. A DNR Order<sup>10</sup> would not be routable. Of the routable interest, the Exchange will route the interest in price/time priority to satisfy the away market interest. The Exchange believes changing the word “route” to “route routable” and adding the citation to the allocation rule within Options 3, Section 10 clarifies the meaning of this sentence and better explains the System handling. This is a non-substantive amendment which is intended to bring greater clarity to the Exchange’s Rules.

#### Price Discovery Mechanism

The Exchange proposes to add new rule text to Options 3, Section 8(j)(1)(A) to describe the information conveyed in an Imbalance Message. The Exchange proposes to provide at Options 3, Section 8(j)(1)(A),

An Imbalance Message will be disseminated showing a “0” volume and a \$0.00 price if: (1) no executions are possible but routable interest is priced at or through the ABBO; (2) internal quotes are crossing each other; or (3) there is a Valid Width Quote, but there is no Quality Opening Market. Where the Potential Opening Price is through the ABBO, an imbalance message will display the side of interest priced through the ABBO.

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<sup>10</sup> The manner in which the System will handle orders marked with the instruction “Do-Not-Route” (“DNR” Orders) is described in Options 3, Section 8(j)(6).

This rule text is consistent with the current operation of the System. The purpose of this proposed text is to provide greater information to market participants to explain the information that is being conveyed when an imbalance message indicates “0” volume. The Exchange believes that explaining the potential scenarios which led to the dissemination of a “0” volume, such as (1) when no executions are possible and routable interest is priced at or through the ABBO; (2) internal quotes are crossing; and (3) there is a Valid Width Quote, but there is no Quality Opening Market, will provide greater detail to the potential state of the interest available. The Exchange further clarifies in this new rule text, “Where the Potential Opening Price is through the ABBO, an imbalance message will display the side of interest priced through the ABBO.” The Exchange believes that this proposed text will bring greater transparency to the information available to market participants during the Opening Process.

The Exchange proposes to amend Options 3, Section 8(j)(3)(ii) to remove the phrase “at the Opening Price” within the paragraph in two places. The current second sentence of paragraph 8(j)(3)(ii) states, “If during the Route Timer, interest is received by the System which would allow the Opening Price to be within OQR without trading through away markets and without trading through the limit price(s) of interest within OQR which is unable to be fully executed at the Opening Price, the System will open with trades at the Opening Price and the Route Timer will simultaneously end.” The Exchange proposes to remove the words “at the Opening Price” because while anything traded on GEMX would be at the Opening Price, the trades that are routed away would be at an ABBO price which may differ from the GEMX Opening Price. To avoid any confusion, the Exchange is amending the sentence to remove the reference to the

Opening Price. In addition, the Exchange proposes to add the phrase “and orders” to Options 3, Section 8(j)(3)(ii) which currently only references quotes. During the Price Discovery Mechanism, both quotes and orders are considered.

The Exchange proposes to amend the last sentence of Options 3, Section 8(j)(5) to add the phrase “if consistent with the Member’s instructions” to the end of the paragraph to make clear that the instructions provided by a Member in terms of order types and routing would be applicable to interest entered during the Opening Process which remains eligible for intra-day trading. This amendment brings greater clarity to the Exchange’s Rules.

The Exchange proposes to amend the last sentence of Options 3, Section 8(j)(6) which provides, “The System will only route non-contingency Public Customer orders, except that only the full volume of Public Customer Reserve Orders may route.” The Exchange proposes to instead provide, “The System will only route non-contingency Public Customer orders, except that Public Customer Reserve Orders may route up to their full volume.” The Exchange is rewording the current sentence to make clear that Public Customer Reserve Orders may route up to their full volume. The current sentence is awkward in that it seems to imply that only full volume would route. This was not the intent of the sentence. As revised, the sentence more clearly conveys its intent. The Exchange believes that this amendment brings greater clarity to the rule.

The Exchange proposes to add an introductory sentence of Options 3, Section 8(j)(6)(i) which provides, “For contracts that are not routable, pursuant to Options 3, Section 8(j)(6), such as DNR Orders and orders priced through the Opening Price...”. The addition of this sentence is intended to provide context to the handling of orders.



The Exchange opens and routes simultaneously during its Opening Process. This proposed sentence is a transition sentence from Options 3, Section 8(j)(6), wherein the System executes and routes orders. Options 3, Section 8(j)(6)(i) describes DNR Orders, which are not routed. The proposed introductory sentence would reflect that Options 3, Section 8(j)(6) is intended to make clear that as DNR Orders and orders priced through the Opening Price are not routable orders that will cancel. The System will cancel any portion of a Do-Not-Route order that would otherwise have to be routed to the exchange(s) disseminating the ABBO for an opening to occur. An order or quote that is priced through the Opening Price will also be cancelled. All other interest will be eligible for trading after opening. This amended rule text is consistent with the behavior of the System. This non-substantive amendment is intended to add greater clarity to the Exchange's Rules. The Exchange also proposes to remove the phrase "will be cancelled", which is duplicative, and add the words "or quote" to the first sentence so it would provide, "[t]he System will cancel (1) any portion of a Do-Not-Route order that would otherwise have to be routed to the exchange(s) disseminating the ABBO for an opening to occur, or (2) any order or quote that is priced through the Opening Price. All other interest will be eligible for trading after opening." Today, any order or quote that is priced through the Opening Price will be cancelled. This new rule text makes clear that all interest applies.

The Exchange proposes to renumber current Options 3, Section 8(k) as Section 8(j)(6)(ii) and renumber current Options 3, Section 8(l) as Section 8(j)(6)(iii).

The Exchange proposes to add a new paragraph at Options 3, Section 8(j)(6)(iv) which provides, "Remaining contracts which are not priced through the Exchange

Opening Price after routing a number of contracts to satisfy better priced away contracts will be posted to the Order Book at the better of the away market price or the order's limit price." The Exchange notes that this paragraph describes current System behavior. This rule text accounts for orders which routed away and were returned unsatisfied to GEMX as well as interest that was unfilled during the Opening Process, provided it was not priced through the Opening Price. This sentence is being included to account for the manner in which all interest is handled today by GEMX and how certain interest rests on the order book once the Opening Process is complete. The Exchange notes that the posted interest will be priced at the better of the away market price or the order's limit price. This additional clarity will bring greater transparency to the Rules and is consistent with the Exchange's current System operation. The Exchange believes that this detail will provide market participants with all possible scenarios that may occur once GEMX opens an options series.

#### Opening Process Cancel Timer

The Exchange proposes to adopt an Opening Process Cancel Timer within Options 3, Section 8(k), similar to The Nasdaq Options Market LLC's ("NOM") Rules and Nasdaq BX, Inc.'s ("BX") at Options 3, Section 8(c).<sup>11</sup> The Exchange proposes to add a process whereby if an options series has not opened before the conclusion of the Opening Process Cancel Timer, a Member may elect to have orders returned by

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<sup>11</sup> NOM Options 3, Section 8(c) provides, "Absence of Opening Cross. If an Opening Cross in a symbol is not initiated before the conclusion of the Opening Process Cancel Timer, a firm may elect to have orders returned by providing written notification to the Exchange. These orders include all non GTC orders received over the FIX protocol. The Opening Process Cancel Timer represents a period of time since the underlying market has opened, and shall be established and disseminated by Nasdaq on its website." BX Options 3, Section 8 is worded similarly.

providing written notification to the Exchange. The Opening Process Cancel Timer would be established by the Exchange and posted on the Exchange's website. Similar to NOM and BX, orders submitted through OTTO or FIX with a TIF of Good-Till-Canceled<sup>12</sup> or "GTC" or Good-Till-Date<sup>13</sup> or "GTD" may not be cancelled. GEMX has monitored the operation of the Opening Process to identify instances where market efficiency can be enhanced. The Exchange believes that adopting a cancel timer similar to NOM and BX will increase the efficiency of GEMX's Opening Process. This provision would provide for the return of orders for un-opened options symbols. This enhancement will provide market participants the ability to elect to have orders returned, except for non-GTC/GTD Orders, when options do not open. It provides Members with choice about where, and when, they can send orders for the opening that would afford them the best experience. The Exchange believes that this additional feature will attract additional order flow to the Exchange. The proposed changes should prove to be very helpful to market participants, particularly those that are involved in adding liquidity during the Opening Cross. These proposed enhancements will allow GEMX to continue to have a robust Opening Process.

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<sup>12</sup> An order to buy or sell that remains in force until the order is filled, canceled or the option contract expires; provided, however, that GTC Orders will be canceled in the event of a corporate action that results in an adjustment to the terms of an option contract. See Options 3, Section 7(r).

<sup>13</sup> A Good-Till-Date Order is a limit order to buy or sell which, if not executed, will be cancelled at the sooner of the end of the expiration date assigned to the order, or the expiration of the series. See Options 3, Section 7(p).

### Implementation

The Exchange proposes to implement the amendments proposed herein prior to Q3 2020. The Exchange will issue an Options Trader Alert announcing the date of implementation.

### 2. Statutory Basis

The Exchange believes that its proposal is consistent with Section 6(b) of the Act,<sup>14</sup> in general, and furthers the objectives of Section 6(b)(5) of the Act,<sup>15</sup> in particular, in that it is designed to promote just and equitable principles of trade and to protect investors and the public interest by enhancing its Opening Process. The Exchange believes that the proposed changes significantly improve the quality of execution of GEMX's opening.

### Definitions

The Exchange's proposal to define the term "imbalance" at proposed Options 3, Section 8(a)(10) and remove the text within Options 3, Section 8(j)(1), which seeks to define an imbalance as an unmatched contract, will bring greater clarity to the manner in which the term "imbalance" is defined within the System. This is a non-substantive rule change and represents current System functionality. Today, the term "imbalance" is simply defined as unmatched contracts. The proposed definition is more precise in its representation of the current System functionality.

### Eligible Interest

The Exchange's proposal to amend Options 3, Section 8(b) which describes the

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<sup>14</sup> 15 U.S.C. 78f(b).

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

eligible interest that will be accepted during the Opening Process is consistent with the Act. Specifically, only accepting Opening Only Orders and excluding all other orders with a Time in Force of “Immediate-or-Cancel” is the manner in which the System operates today. The Exchange proposes to specifically note within the Opening Process that all other Immediate-or-Cancel Orders would not be acceptable if they are not Opening Only Orders. Notwithstanding the foregoing, Opening Only Orders would be accepted. Further, Add Liquidity Orders are not accepted from the Opening Process because these orders cannot add liquidity during the Opening Process. The Exchange notes that today, both of these types of orders may not be entered into the Opening Process. The Exchange believes making clear which orders are not accepted within the Opening Process will bring greater transparency for market participants who desire to enter interest and understand the System handling.

The proposed amendment to Options 3, Section 8(b)(2) to replace the phrase “aggregate the size of all eligible interest for a particular participant category at a particular price level for trade allocation purposes” with “allocate interest pursuant to Options 3, Section 10 is consistent with the Act. This amendment is non-substantive and merely points to Options 3, Section 10, which today describes the manner in which interest is allocated on GEMX. The Exchange believes that simply referring to the allocation rule will accurately describe the manner in which the System will allocate interest.

#### Valid Width Quotes

The Exchange’s proposal to amend the requirements within Options 3, Section 8(c) for GEMX Market Makers to enter Valid Width Quotes by permitting the Valid

Width Quote of one Competitive Market Maker to open an option series without waiting for the two minute timeframe is consistent with the Act. This proposal would allow the market to open more efficiently as well as enable greater participation by Competitive Market Makers in the Opening Process. A Primary Market Maker has continuing obligations to quote throughout the trading day pursuant to Options 2, Section 5. In addition, Primary Market Makers are required to ensure each option series to which it is appointed is opened each day GEMX is open for business by submitting a Valid Width Quote.<sup>16</sup> Primary Market Makers will continue to remain responsible to open an options series, unless it is otherwise opened by a Competitive Market Maker. A Competitive Market Maker also has obligations to quote intra-day, once they commence quoting for that day.<sup>17</sup> The Exchange notes if Competitive Market Makers entered quotes during the Opening Process to open an option series, those quote must qualify as Valid Width Quotes. This ensures that the quotations that are entered are in alignment with standards that help ensure a quality opening. The Exchange believes that allowing one Competitive Market Maker to enter a quotation continues to protect investors and the general public because the Competitive Market Maker will be held to the same standard for entering quotes as a Primary Market Maker and the process will also ensure an efficient and timely opening, while continuing to hold Primary Market Makers responsible for entering Valid Width Quotes during the Opening Process.

#### Potential Opening Price

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<sup>16</sup> See note 9 above.

<sup>17</sup> See Options 2, Section 5.

The Exchange's proposal to amend Options 3, Section 8(g) to add an introductory sentence to the Potential Opening Process which provides, "The Potential Opening Price indicates a price where the System may open once all other Opening Process criteria is met," is consistent with the Act. This paragraph is not intended to amend the current function of the Opening Process, rather it is intended to provide context to the process described within Options 3, Section 8(g). Specifically, the new text describes a Potential Opening Price. This rule text is consistent with the current operation of the System. This is a non-substantive amendment.

Further, the amendment to Options 3, Section 8(g)(3) to replace the words "Potential Opening Price calculation" with the more defined term "Opening Price" is consistent with the Act. "Opening Price" is the more accurate term that represents current System functionality. The Opening Price is bounded by any better away market price that may not be satisfied with the Exchange routable interest. Changing the words in this sentence to "Opening Price" will make this statement accurate. This amendment is not substantive.

#### Opening Quote Range

The Exchange's proposal to add a sentence to Options 3, Section 8(i) to describe the manner in which the OQR is bound will bring greater clarity to the manner in which OQR is calculated. OQR is an additional type of boundary beyond the boundaries mentioned within the Opening Process rule. The System will calculate an OQR for a particular option series that will be utilized in the Price Discovery Mechanism if the Exchange has not opened, pursuant to the provisions in Options 3, Section 8(c)-(h). OQR would broaden the range of prices at which the Exchange may open to allow additional

interest to be eligible for consideration in the Opening Process. OQR is intended to limit the Opening Price to a reasonable, middle ground price and thus reduce the potential for erroneous trades during the Opening Process. Although the Exchange applies other boundaries such as the BBO, the OQR provides a range of prices that may be able to satisfy additional contracts while still ensuring a reasonable Opening Price. More specifically, the Exchange's Opening Price is bounded by the OQR without trading through the limit price(s) of interest within OQR, which is unable to fully execute at the Opening Price in order to provide participants with assurance that their orders will not be traded through. The Exchange seeks to execute as much volume as is possible at the Opening Price. The Exchange's method for determining the Potential Opening Price and Opening Price is consistent with the Act because the proposed process seeks to discover a reasonable price and considers both interest present in System as well as away market interest. The Exchange's method seeks to validate the Opening Price and avoid opening at aberrant prices. The rule provides for opening with a trade, which is consistent with the Act because it enables an immediate opening to occur within a certain boundary without the need for the price discovery process. The boundary provides protections while still ensuring a reasonable Opening Price. The Exchange's proposal protects investors and the general public by more clearly describing how the boundaries are handled by the System. This proposed amendment does not change the manner in which GEMX's System operates today. The Exchange believes that this rule text will bring greater transparency to the manner in which the Exchange arrives at an Opening Price.

The Exchange's proposal to amend Options 3, Section 8(i)(3) to replace the phrase "that are executable against each other or the ABBO:" with "that *cross each other*



*or are marketable against the ABBO:*” will more accurately describes the current Opening Process. Valid Width Quotes are not routable and would not be executable against the ABBO. This rule text is more specific than “executable against each other.” The Exchange believes that this rule text adds greater transparency to the Opening Process. This is a non-substantive amendment.

The Exchange’s proposal to make a similar change to Options 3, Section 8(i)(4) to replace the words “are executable against” with “cross,” is consistent with the Act. The Exchange believes that the amended rule text adds greater transparency to the Opening Process. These are non-substantive amendments.

The Exchange’s proposal to replace the phrase “route” with “route routable” and also replace the phrase “in price/time priority to satisfy the away market” with “pursuant to Options 3, Section 10(c)(1)(A)” at the end of Options 3, Section 8(i)(7) is consistent with the Act. The current rule text is imprecise. When allocating, the Exchange first determines if the interest is routable, it may be marked as a DNR Order, which is not routable. Of the routable interest, the Exchange will route the interest in price/time priority to satisfy the away market interest. The Exchange believes changing the word “route” to “route routable” and adding the citation to the allocation rule within Options 3, Section 10 clarifies the meaning of this sentence and better explains the System handling. The final sentence would provide, “The System will route routable Public Customer interest pursuant to Options 3, Section 10(c)(1)(A).” This is a non-substantive amendment which is intended to bring greater clarity to the Exchange’s Rules.

#### Price Discovery Mechanism

The Exchange’s proposal to add new rule text at Options 3, Section 8(j)(1)(A) to

describe the current operation of the System with respect to imbalance messages is consistent with the Act. The purpose of this proposed text is to provide greater information to market participants to explain the information that is being conveyed when an imbalance message indicates “0” volume. An imbalance process is intended to attract liquidity to improve the price at which an option series will open, as well as to maximize the number of contracts that can be executed on the opening. This process will only occur if the Exchange has not been able to otherwise open an option series utilizing the other processes available in Options 3, Section 8. The Imbalance Timer is intended to provide a reasonable time for participants to respond to the Imbalance Message before any opening interest is routed to away markets and, thereby, maximize trading on the Exchange. The Exchange believes that the proposed rule text provides market participants with additional information as to the imbalance message. The following potential scenarios, which may lead to the dissemination of a “0” volume, include (1) when no executions are possible and routable interest is priced at or through the ABBO; (2) internal quotes are crossing; and (3) there is a Valid Width Quote, but there is no Quality Opening Market. The Exchange believes adding this detail will provide greater information as to the manner in which Imbalance Messages are disseminated today. The Exchange’s process of disseminating zero imbalance messages is consistent with the Act because the Exchange is seeking to identify a price on the Exchange without routing away, yet which price may not trade through another market and the quality of which is addressed by applying the OQR boundary. Announcing a price of zero will permit market participants to respond to the Imbalance Message, which interest would be considered in determining a fair and reasonable Opening Price.

The Exchange further proposes to clarify its current System functionality by stating, “Where the Potential Opening Price is through the ABBO, an imbalance message will display the side of interest priced through the ABBO.” The Exchange believes that this proposed text will bring greater transparency to the information available to market participants during the Opening Process.

The Exchange’s proposal to amend Options 3, Section 8(j)(3)(ii) to remove the phrase “at the Opening Price” within the paragraph in two places is consistent with the Act because removing the current phrase will avoid confusion. The Exchange notes that anything traded on GEMX would be at the Opening Price, the trades that are routed away would be at an ABBO price, which differs from the GEMX Opening Price. To avoid any confusion the Exchange is amending the sentence to remove the reference to the Opening Price. In addition, the Exchange proposes to add the phrase “and orders” to Options 3, Section 8(j)(3)(ii) which currently only references quotes. During the Price Discovery Mechanism both quotes and orders are considered.

The Exchange’s proposal to amend the last sentence of Options 3, Section 8(j)(5) to amend the phrase “if consistent with the Member’s instructions” to the end of the paragraph will make clear that the instructions provided by a Member in terms of order types and routing would be applicable to interest entered during the Opening Process which remains eligible for intra-day trading. This proposal is consistent with the Act and will add greater clarity to the Exchange’s Rules.

The Exchange’s proposal to amend the last sentence of Options 3, Section 8(j)(6) to provide, “The System will only route non-contingency Public Customer orders, except that Public Customer Reserve Orders may route up to their full volume,” is consistent

with the Act. The Exchange is re-wording the current sentence to make clear that Public Customer Reserve Orders may route up to their full volume. The current sentence is awkward in that it seems to imply that only full volume would route. This was not the intent of the sentence. As revised, the sentence more clearly conveys its intent. The Exchange believes that this amendment is non-substantive and is a more precise manner of expressing the quantity of Reserve Orders that may route.

The Exchange's proposal to add an introductory phrase to Options 3, Section 8(j)(6)(i) which provides, "For contracts that are not routable, pursuant to Options 3, Section 8(j)(6), such as DNR Orders and orders priced through the Opening Price...", is consistent with the Act. The addition of this sentence is intended simply to provide context to the handling of orders. The prior paragraph, Options 3, Section 8(j)(6), describes how the System executes and routes orders. This proposed new text explains why DNR Orders are cancelled. This sentence is being added to indicate that at this stage in the Opening Process, routable interest would have routed, non-routable interest does not route and may not execute if priced through the Opening Price. This information is currently not contained within the rules, however the rule text is consistent with the behavior of the System. This non-substantive amendment is consistent with the Act because it adds greater clarity to the Exchange's Rules.

The proposal to remove the duplicative text "will be cancelled" and add the words "or quote" to the second sentence are non-substantive rule changes. All other interest will be eligible for trading after opening," is consistent with the Act. Today, any order or quote that is priced through the Opening Price will be cancelled. This rule text is

consistent with the System's current operation. This amendment is intended to add greater clarity to the Exchange's Rules.

The Exchange's proposal to add a new paragraph at Options 3, Section 8(j)(6)(iv) which provides, "Remaining contracts which are not priced through the Exchange Opening Price after routing a number of contracts to satisfy better priced away contracts will be posted to the Order Book at the better of the away market price or the order's limit price," will bring greater transparency to the handling of orders once an option series is opened for trading. After away interest is cleared by routable interest and the opening cross has occurred, DNR Orders are handled by the System. DNR Order interest will rest on the Order Book, provided it was not priced through the Opening Price. This rule text accounts for orders which have routed away and returned to GEMX unsatisfied and also accounts for interest that remains unfilled during the Opening Process, provided it was not priced through the Opening Price. The Exchange notes that the posted interest will be priced at the better of the away market price or the order's limit price. This additional clarity will protect investors and the general public by adding greater transparency to the Exchange's current System operation by explaining how all interest is handled during the Opening Process. The Exchange believes that this detail will provide market participants with all possible scenarios that may occur once GEMX opens its options series. This amendment represents the System's current function.

#### Opening Process Cancel Timer

The Exchange's proposal to adopt an Opening Process Cancel Timer within Options 3, Section 8(k), similar to NOM's and BX's Rules at Options 3, Section 8(c) is consistent with the Act. The Exchange's proposal to add a process whereby if an options

series has not opened before the conclusion of the Opening Process Cancel Timer, a Member may elect to have orders returned by providing written notification to the Exchange is consistent with the Act. GEMX believes that this amendment will promote just and equitable principles of trade and to protect investors and the public interest by enhancing its Opening Process. Adopting a cancel timer similar to NOM and BX will increase the efficiency of GEMX's Opening Process by providing Members with the ability to elect to have orders returned, except for non-GTC/GTD orders. This functionality provides Members with choice, when symbols do not open, about where, and when, they can send orders for the opening that would afford them the best experience. The Exchange believes that this additional feature will attract additional order flow to the Exchange. The proposed changes should prove to be very helpful to market participants, particularly those that are involved in adding liquidity during the Opening Cross. These proposed enhancements will allow GEMX to continue to have a robust Opening Process.

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 not necessary or appropriate in furtherance of the purposes of the Act. While the Exchange does not believe that the proposal should have any direct impact on competition, it believes the proposal will enhance the Opening Process by making it more efficient and beneficial to market participants. Moreover, the Exchange believes that the proposed amendments will significantly improve the quality of execution of GEMX's Opening Process. The proposed amendments provide market participants more choice about where, and when, they can send orders for the opening

that would afford them the best experience. The Exchange believes that this should attract new order flow.

The Exchange's proposal to define the term "imbalance" at proposed Options 3, Section 8(a)(10) and remove the text within Options 3, Section 8(j)(1), which seeks to define an imbalance as an unmatched contract does not impose an undue burden on competition. The Exchange believes that the addition of this defined term will bring greater clarity to the manner in which the term "imbalance" is defined within the System. This description is consistent with the current System operation. This is a non-substantive rule change.

The Exchange's proposal to specifically exclude orders with a Time in Force of "Immediate-or-Cancel" and Add Liquidity Orders from the type of orders that are eligible during the Opening Process does not impose an undue burden on competition. The Exchange notes that today all market participants may enter Opening Only Orders. Today, the Exchange does not permit Immediate-or-Cancel Orders to be entered unless they are Opening Only Orders. With respect to Add Liquidity Orders, these orders are not appropriate for the Opening Process because these orders cannot add liquidity during the Opening Process and would not be accepted from any market participant today. The addition of these exceptions does not impact any market participant as today all market participants are restricted from utilizing "Immediate-or-Cancel" or Add Liquidity Orders.

The Exchange's proposal to amend the requirements within Options 3, Section 8(c) for GEMX Market Makers to enter Valid Width Quotes by permitting the Valid Width Quote of one Competitive Market Maker to open an option series without waiting for the two minute timeframe does not impose an undue burden on competition. This

proposal would allow the market to open more efficiently as well as enable greater participation by Competitive Market Makers in the Opening Process. Primary Market Makers continue to remain obligated to open their appointed options series. Competitive Market Maker may participate in the Opening Process, as is the case today, provided they enter Valid Width Quotes, which is intended to ensure a quality opening. The Exchange does not believe this proposal would burden the ability of market participants who enter quotes to participate in the Opening Process.

The Exchange's proposal to add a sentence to Options 3, Section 8(i) to describe the manner in which the OQR is bound does not impose an undue burden on competition. OQR is intended to limit the Opening Price to a reasonable, middle ground price and thus reduce the potential for erroneous trades during the Opening Process. The Exchange's method seeks to validate the Opening Price and avoid opening at aberrant prices for the protection of all investors. This proposed amendment does not change the manner in which GEMX's System operates today. The Exchange believes that this rule text will bring greater transparency to the manner in which the Exchange arrives at an Opening Price.

The Exchange's proposal to add new rule text at Options 3, Section 8(j)(1)(A) to describe the current operation of the System with respect to imbalance messages does not impose an undue burden on competition. The purpose of this proposed text is to provide greater information to market participants to explain the information that is being conveyed when an imbalance message indicates "0" volume. All market participants are able to respond to an imbalance messages and have their interest considered in determining a fair and reasonable Opening Price.



The Exchange's proposal to adopt an Opening Process Cancel Timer within Options 3, Section 8(k), similar to NOM's and BX's Rules at Options 3, Section 8(c), does not impose an undue burden on competition. Adopting a cancel timer similar to NOM and BX will increase the efficiency of GEMX's Opening Process for all market participants. All market participants will have the ability to elect to have orders returned, except for non-GTC/GTD orders, when symbols do not open. This feature provides Members with choice about where, and when, they can send orders for the opening that would afford them the best experience. The Exchange believes that this additional feature will attract additional order flow to the Exchange.

The remainder of the proposed rule text is intended to bring greater transparency to the Opening Process rule while also adding additional detail and clarity and therefore does not have an impact on competition.

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

No written comments were either solicited or 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 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)(iii) of the Act<sup>18</sup> and subparagraph (f)(6) of Rule 19b-4 thereunder.<sup>19</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 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 e-mail to [rule-comments@sec.gov](mailto:rule-comments@sec.gov). Please include File Number SR-GEMX-2020-09 on the subject line.

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<sup>18</sup> 15 U.S.C. 78s(b)(3)(A)(iii).

<sup>19</sup> 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.

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-GEMX-2020-09. 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 Web site (<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; the Commission does not edit personal identifying information from submissions. You should submit only information that you wish to make available publicly.

All submissions should refer to File Number SR-GEMX-2020-09 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.<sup>20</sup>

J. Matthew DeLesDernier  
Assistant Secretary

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<sup>20</sup> 17 CFR 200.30-3(a)(12).

**EXHIBIT 5**

*New text is underlined; deleted text is in brackets.*

**Nasdaq GEMX, LLC Rules**

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**Options Rules**

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**Options 3. Options Trading Rules**

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**Section 8. Options Opening Process**

(a) Definitions. The Exchange conducts an electronic opening for all option series traded on the Exchange using its System.

(1) – (9) No change

(10) The term “imbalance” shall mean the number of unmatched contracts priced through the Potential Opening Price.

(b) Eligible interest during the Opening Process includes Valid Width Quotes, Opening Sweeps and orders, including Opening Only Orders, but excluding orders with a Time in Force of “Immediate-or-Cancel” and Add Liquidity Orders. Quotes, other than Valid Width Quotes, will not be included in the Opening Process. The displayed and non-displayed portions of Reserve Orders are considered for execution and in determining the Opening Price throughout the Opening Process. Only Public Customer interest is routable during the Opening Process.

(1) No change.

(2) The System will [aggregate the size of all eligible interest for a particular participant category at a particular price level for trade allocation purposes]allocate interest pursuant to Options 3, Section 10.

(c) Market Maker Valid Width Quotes and Opening Sweeps received starting at 9:25 AM Eastern Time are included in the Opening Process. Orders entered at any time before an option series opens are included in the Opening Process.

(1) The Opening Process for an option series will be conducted pursuant to paragraphs (f) - (j) below on or after 9:30 AM Eastern Time if: the ABBO, if any, is not crossed; and the System has received, within two minutes (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange’s web site) of the opening trade or quote on the market for the underlying security in the case of equity options or, in the case of index options,

within two minutes of the receipt of the opening price in the underlying index (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange's web site), or within two minutes of market opening for the underlying security in the case of U.S. dollar-settled foreign currency options (or such shorter time as determined by the Exchange and disseminated to membership on the Exchange's web site) any of the following:

(i) the Primary Market Maker's ("PMM") Valid Width Quote; or

(ii) the Valid Width Quotes of at least [two]one Competitive Market Maker[s] ("CMM").[; or]

[(iii) if neither the PMM's Valid Width Quote nor the Valid Width Quotes of two CMMs have been submitted within such timeframe, one CMM has submitted a Valid Width Quote.]

(2) - (5) No change.

(d) - (f) No change.

(g) **Potential Opening Price.** The Potential Opening Price indicates a price where the System may open once all other Opening Process criteria is met. To calculate the Potential Opening Price, the System will take into consideration all Valid Width Quotes and orders (including Opening Sweeps and displayed and non-displayed portions of Reserve Orders) for the option series and identify the price at which the maximum number of contracts can trade ("maximum quantity criterion"). In addition, paragraphs (h)(3)([1]i) and (i)(5) - (7) below contain additional provisions related to Potential Opening Price.

(1) and (2) No change.

(3) The [Potential] Opening Price [calculation] is bounded by the better away market price that may not be satisfied with the Exchange routable interest.

(h) No change.

(i) The System will calculate an Opening Quote Range ("OQR") for a particular option series that will be utilized in the Price Discovery Mechanism described below, if the Exchange has not opened subject to any of the provisions above. OQR is constrained by the least aggressive limit prices within the broader limits of OQR. The least aggressive buy order or Valid Width Quote bid and least aggressive sell order or Valid Width Quote offer within the OQR will further bound the OQR.

(1) and (2) No change.

(3) If one or more away markets are disseminating a BBO that is not crossed, (the Opening Process will stop and an option series will not open if the ABBO becomes crossed pursuant to (c)(5)) and there are Valid Width Quotes on the Exchange that [are executable against each other]cross each other or are marketable against [or] the ABBO:

(i) and (ii) No change.

(4) If there are Valid Width Quotes on the Exchange that [are executable against] cross each other, and there is no away market disseminating a BBO in the affected option series:

(i) and (ii) No change.

(5) and (6) No change.

(7) If the Exchange determines that non-routable interest can execute the maximum number of contracts against Exchange interest, after routable interest has been determined by the System to satisfy the away market, then the Potential Opening Price is the price at which the maximum number of contracts can execute, excluding the interest which will be routed to an away market, which may be executed on the Exchange as described in paragraph (g) above. The System will route routable Public Customer interest[ in price/time priority to satisfy the away market] pursuant to Options 3, Section 10(c)(1)(A).

**(j) Price Discovery Mechanism.** If the Exchange has not opened pursuant to paragraphs (e) or (h) above, after the OQR calculation in paragraph (i), the Exchange will conduct the following Price Discovery Mechanism.

(1) First, the System will broadcast an Imbalance Message for the affected series (which includes the symbol, side of the imbalance [(unmatched contracts)], size of matched contracts, size of the imbalance, and Potential Opening Price bounded by the Pre-Market BBO) to participants, and begin an "Imbalance Timer," not to exceed three seconds. The Imbalance Timer will be for the same number of seconds for all options traded on the Exchange. Each Imbalance Message is subject to an Imbalance Timer.

(A) An Imbalance Message will be disseminated showing a "0" volume and a \$0.00 price if: (1) no executions are possible but routable interest is priced at or through the ABBO; (2) internal quotes are crossing each other; or (3) there is a Valid Width Quote, but there is no Quality Opening Market. Where the Potential Opening Price is through the ABBO, an imbalance message will display the side of interest priced through the ABBO.

(2) No change.

(3) Next, provided the option series has not opened pursuant to paragraph (j)(2) above, the System will:

(i) send a second Imbalance Message with a Potential Opening Price that is bounded by the OQR (and would not trade through the limit price(s) of interest within OQR which is unable to be fully executed at the Opening Price) and includes away market volume in the size of the imbalance to participants; and concurrently

(ii) initiate a Route Timer, not to exceed one second. The Route Timer operates as a pause before an order is routed to an away market. If during the Route Timer, interest is received by the System which would allow the Opening Price to be within OQR without trading through away markets and without trading through the limit price(s) of interest within OQR which is unable to be fully executed[ at the Opening Price], the System will open with trades [at the Opening Price] and the Route Timer will simultaneously end. The System will monitor quotes and orders received during the Route Timer period and make ongoing corresponding changes to the permitted OQR and Potential Opening Price to reflect them.

(iii) If no trade occurred pursuant to (ii) above, when the Route Timer expires, if the Potential Opening Price is within OQR (and would not trade through the limit price(s) of interest within OQR that is unable to be fully executed at the Opening Price), the System will determine if the total number of contracts displayed at better prices than the Exchange's Potential Opening Price on away markets ("better priced away contracts") would satisfy the number of marketable contracts available on the Exchange. The Exchange will open the option series by routing and/or trading on the Exchange, pursuant to paragraphs (A)-(C) below.

(A)-(C) No change.

(4) No change.

(5) *Forced Opening*. After all additional Imbalance Messages have occurred pursuant to paragraph (4) above, the System will open the series by executing as many contracts as possible by routing to away markets at prices better than the Exchange Opening Price for their disseminated size, trading available contracts on the Exchange at the Exchange Opening Price bounded by OQR (without trading through the limit price(s) of interest within OQR which is unable to be fully executed at the Opening Price), and routing contracts to away markets at prices equal to the Exchange Opening Price at their disseminated size. In this situation, the System will price any contracts routed to away markets at the better of the Exchange Opening Price or the order's limit price. Any unexecuted contracts from the imbalance not traded or routed will be cancelled back to the entering participant if they remain unexecuted and priced through the Opening



Price, otherwise orders will remain in the Order Book, if consistent with the Member's instructions.

(6) The System will execute orders at the Opening Price that have contingencies (such as, without limitation, Reserve Orders) and non-routable orders, such as a "Do-Not-Route" or "DNR" Orders, to the extent possible. The System will only route non-contingency Public Customer orders, except that Public Customer Reserve Orders may route up to their full volume [only the full volume of Public Customer Reserve Orders may route].

(i) For contracts that are not routable, pursuant to Options 3, Section 8(j)(6), such as DNR Orders and orders priced through the Opening Price, [T]he System will cancel (1) any portion of a Do-Not-Route order that would otherwise have to be routed to the exchange(s) disseminating the ABBO for an opening to occur, or (2) any order or quote that is priced through the Opening Price [will be cancelled]. All other interest will be eligible for trading after opening.

([k]ii) During the opening of the option series, where there is an execution possible, the System will give priority to Market Orders first, then to resting Limit Orders and quotes. The allocation provisions of Options 3, Section 10 and the Supplementary Material thereto apply with respect to other orders and quotes with the same price.

([l]iii) Upon opening of the option series, regardless of an execution, the System disseminates the price and size of the Exchange's best bid and offer (BBO).

(iv) Remaining contracts which are not priced through the Exchange Opening Price after routing a number of contracts to satisfy better priced away contracts will be posted to the Order Book at the better of the away market price or the order's limit price.

(k) Opening Process Cancel Timer. The Opening Process Cancel Timer represents a period of time since the underlying market has opened, and shall be established and disseminated by GEMX on its website. If an option series has not opened before the conclusion of the Opening Process Cancel Timer, a Member may elect to have orders returned by providing written notification to the Exchange. These orders include all non Good-Till-Canceled and Good-Till-Date Orders received over the OTTO or FIX protocol.

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