Required fields are shown with yellow backgrounds and a	sterisks.	OMB Number: 3235-0045 Estimated average burden hours per response	
WASHING	EXCHANGE COMMISSION GTON, D.C. 20549 form 19b-4 Amendment No	File No.* SR - 2017         - * 35           o. (req. for Amendments *)	
Filing by MIAX PEARL, LLC Pursuant to Rule 19b-4 under the Securities Exchange	Act of 1934		
Initial * Amendment * Withdrawal	Section 19(b)(2) * Section 19(b)(3		
Pilot Extension of Time Period for Commission Action *	☐ 19b-4(f)(2) ☐	19b-4(f)(4) 19b-4(f)(5) 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) *       Section 806(e)(2) *       Section 3C(b)(2) *         Image: Comparison of the securities of the securities exchange Act of 1934       Section 3C(b)(2) *			
Exhibit 2 Sent As Paper Document Exhibit 3 Sent As Paper Document			
Provide a brief description of the action (limit 250 characters, required when Initial is checked *). Proposal to amend the fee schedule.			
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 * Dimitriy	Last Name * Kotov		
Title * Counsel			
E-mail * dkotov@miami-holdings.com			
Telephone * (609) 897-8494 Fax			
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 10/11/2017	SVP and Deputy General Counsel		
By Joseph Ferraro (Name *)			
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.			

OMB APPROVAL

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549		
For complete Form 19b-4 instructions please refer to the EFFS website.		
Form 19b-4 Information *       Add     Remove       View	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 * Add Remove View	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 * Add Remove View	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         Add       Remove       View         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         Add       Remove         View         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 CopiesAddRemoveView	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.	
Add     Remove     View	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       Add     Remove       View	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.	

#### SR-PEARL-2017-35

#### 1. <u>Text of Proposed Rule Change</u>

(a) ) MIAX PEARL, LLC ("MIAX PEARL" or "Exchange"), pursuant to the provisions of Section 19(b)(1) of the Securities Exchange Act of 1934 ("Act")<sup>1</sup> and Rule 19b-4 thereunder,<sup>2</sup> proposes to amend the MIAX PEARL Fee Schedule (the "Fee Schedule") to adopt a fee for the sale of certain historical market data.

A notice of the proposed rule change for publication in the <u>Federal Register</u> is attached hereto as <u>Exhibit 1</u>, and a copy of the applicable section of the MIAX PEARL Fee Schedule is attached hereto as <u>Exhibit 5</u>.

(b) Not applicable.

(c) Not applicable.

#### 2. <u>Procedures of the Self-Regulatory Organization</u>

The proposed rule change was approved by senior management of the Exchange pursuant to authority delegated by the MIAX PEARL Board of Directors on December 8, 2016. Exchange staff will advise the Board of Directors of any action taken pursuant to delegated authority. No other action by the Exchange is necessary for the filing of the proposed rule change.

Questions and comments on the proposed rule change may be directed to Dimitriy Kotov, Counsel, at 609-897-8494.

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

a. <u>Purpose</u>

The Exchange proposes to amend its Fee Schedule to adopt a fee for the sale of certain

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

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

historical market data.

The historical market data that the Exchange proposes to sell provides information about the past activity of all option products traded on the Exchange for each trading session conducted during a particular calendar month. The data is intended to enhance the user's ability to analyze option trade and volume data, evaluate historical trends in the trading activity of a particular option product, and enable the testing of trading models and analytical strategies. Specifically, the historical market data that the Exchange proposes to sell includes all data that is captured and disseminated on the following proprietary MIAX PEARL data feeds, on a T+1 basis: MIAX PEARL Top of Market ("ToM"); and MIAX PEARL Liquidity Feed ("PLF") ("Historical Market Data"). All such proprietary MIAX PEARL data feeds that, on a T+1 basis, comprise the Historical Market Data are described on the Exchange's Fee Schedule.<sup>3</sup>

ToM provides real-time, ultra-low latency updates of the MIAX PEARL Best Bid or Offer, or PBBO,<sup>4</sup> the last sale with trade price, size and condition, last sale cancellations, listed series updates, system state, and underlying trading state.<sup>5</sup> PLF provides real-time, ultra-low latency updates of new simple orders added to the MIAX PEARL order book, updates to simple

<sup>&</sup>lt;sup>3</sup> <u>See MIAX PEARL Fee Schedule, Section 6.</u>

<sup>&</sup>lt;sup>4</sup> The term "PBBO" means the best bid or offer on the PEARL Exchange. <u>See</u> Exchange Rule 100. <u>See also</u> Exchange Rule 506(d).

See Securities Exchange Act Release No. 79913 (February 1, 2017), 82 FR 9617 (February 7, 2017)(SR-PEARL-2017-01)(Establishing MIAX PEARL ToM and PLF Data Products).

orders resting on the MIAX PEARL order book, listed series updates, System<sup>6</sup> state, and underlying trading state.<sup>7</sup>

MIAX PEARL will only assess the fee for Historical Market Data on a user (whether Member or Non-Member) that specifically requests such Historical Market Data. Historical Market Data will be uploaded onto an Exchange-provided device. The amount of the fee is \$500, and it will be assessed on a per device basis. Each device shall have a maximum storage capacity of 8 Terabytes and will be configured to include data for both MIAX Options and MIAX PEARL. Users may request up to six months of Historical Market Data per device, subject to the device's storage capacity. Historical Market Data is available from August 1, 2017 to the present (always on a T+1 basis), however only the most recent six months of Historical Market Data shall be available for purchase from the request date. Historical Market Data usage is restricted to internal use only, and thus may not be distributed to any third-party.

The Exchange notes that this filing is substantially similar to a companion MIAX Options filing<sup>8</sup> establishing a fee for historical market data on its exchange.

#### b. <u>Statutory Basis</u>

The Exchange believes that its proposal to amend its fee schedule is consistent with Section 6(b) of the Act<sup>9</sup> in general, and furthers the objectives of Section 6(b)(4) of the Act<sup>10</sup> in particular, in that it is an equitable allocation of reasonable dues, fees and other charges among Exchange members and issuers and other persons using its facilities. The proposal provides for

<sup>&</sup>lt;sup>6</sup> The term "System" means the automated trading system used by the Exchange for the trading of securities. <u>See</u> Exchange Rule 100.

<sup>&</sup>lt;sup>7</sup> <u>See</u> supra note 5.

<sup>&</sup>lt;sup>8</sup> <u>See SR-MIAX-2017-42</u> (filed on October 11, 2017).

<sup>&</sup>lt;sup>9</sup> 15 U.S.C. 78f(b).

<sup>&</sup>lt;sup>10</sup> 15 U.S.C. 78f(b)(4).

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the equitable allocation of reasonable fees and other charges among Exchange members and other persons using its facilities because all persons and entities will have equal access to Historical Market Data.

The Exchange believes the proposed fees are a reasonable allocation of its costs and expenses among its Members and other persons using its facilities since it is recovering the costs associated with distributing such data. Access to the Exchange is provided on fair and nondiscriminatory terms. The Exchange believes the proposed fees are equitable and not unfairly discriminatory because the fee level results in a reasonable and equitable allocation of fees amongst users for similar services. Moreover, the decision as to whether or not to purchase Historical Market Data is entirely optional to all users. Potential purchasers are not required to purchase the Historical Market Data, and the Exchange is not required to make the Historical Market Data available. Purchasers may request the data at any time or may decline to purchase such data. The allocation of fees among users is fair and reasonable because, if the market deems the proposed fees to be unfair or inequitable, firms can diminish or discontinue their use of this data.

In adopting Regulation NMS, the Commission granted self-regulatory organizations and broker-dealers increased authority and flexibility to offer new and unique market data to the public. It was believed that this authority would expand the amount of data available to consumers, and also spur innovation and competition for the provision of market data:

"[E]fficiency is promoted when broker-dealers who do not need the data beyond the prices, sizes, market center identifications of the NBBO and consolidated last sale information are not required to receive (and pay for) such data when broker-dealers may choose to receive (and pay for) additional market data based on their own internal analysis of the need for such data."<sup>11</sup>

<sup>&</sup>lt;sup>11</sup> <u>See</u> Securities Exchange Act Release No. 51808 (June 9, 2005), 70 FR 37496 (June 29, 2005).

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By removing "unnecessary regulatory restrictions" on the ability of exchanges to sell their own data, Regulation NMS advanced the goals of the Act and the principles reflected in its legislative history. If the free market should determine whether proprietary data is sold to broker-dealers at all, it follows that the price at which such data is sold should be set by the market as well.

In July, 2010, Congress adopted H.R. 4173, the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010 ("Dodd-Frank Act"), which amended Section 19 of the Act. Among other things, Section 916 of the Dodd-Frank Act amended paragraph (A) of Section 19(b)(3) of the Act by inserting the phrase "on any person, whether or not the person is a member of the self-regulatory organization" after "due, fee or other charge imposed by the selfregulatory organization." As a result, all SRO rule proposals establishing or changing dues, fees or other charges are immediately effective upon filing regardless of whether such dues, fees or other charges are imposed on members of the SRO, non-members, or both. Section 916 further amended paragraph (C) of Section 19(b)(3) of the Act to read, in pertinent part, "At any time within the 60-day period beginning on the date of filing of such a proposed rule change in accordance with the provisions of paragraph (1) [of Section 19(b)], the Commission summarily may temporarily suspend the change in the rules of the self-regulatory organization made thereby, 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 this title. If the Commission takes such action, the Commission shall institute proceedings under paragraph (2)(B) [of Section 19(b)] to determine whether the proposed rule should be approved or disapproved."

The Exchange believes that these amendments to Section 19 of the Act reflect Congress's intent to allow the Commission to rely upon the forces of competition to ensure that fees for market data are reasonable and equitably allocated. Although Section 19(b) had formerly authorized immediate effectiveness for a "due, fee or other charge imposed by the self-regulatory organization," the Commission adopted a policy and subsequently a rule stating that fees for data and other products available to persons that are not members of the self-regulatory organization must be approved by the Commission after first being published for comment. At the time, the Commission supported the adoption of the policy and the rule by pointing out that unlike members, whose representation in self-regulatory organization governance was mandated by the Act, non-members should be given the opportunity to comment on fees before being required to pay them, and that the Commission should specifically approve all such fees. The Exchange believes that the amendment to Section 19 reflects Congress's conclusion that the evolution of self-regulatory organization governance and competitive market structure have rendered the Commission's prior policy on non-member fees obsolete. Specifically, many exchanges have evolved from member-owned, not-for-profit corporations into for-profit, investor-owned corporations (or subsidiaries of investor-owned corporations). Accordingly, exchanges no longer have narrow incentives to manage their affairs for the exclusive benefit of their members, but rather have incentives to maximize the appeal of their products to all customers, whether members or non-members, so as to broaden distribution and grow revenues. Moreover, the Exchange believes that the change also reflects an endorsement of the Commission's determinations that reliance on competitive markets is an appropriate means to ensure equitable and reasonable prices. Simply put, the change reflects a presumption that all fee changes should

be permitted to take effect immediately, since the level of all fees are constrained by competitive forces.

Selling proprietary market data, such as Historical Market Data, is a means by which exchanges compete to attract business. To the extent that exchanges are successful in such competition, they earn trading revenues and also enhance the value of their data products by increasing the amount of data they provide. The need to compete for business places substantial pressure upon exchanges to keep their fees for both executions and data reasonable.<sup>12</sup> The Exchange therefore believes that the fees for Historical Market Data are properly assessed on Members and Non-Member users.

The decision of the United States Court of Appeals for the District of Columbia Circuit in <u>NetCoalition v. SEC</u>, No. 09-1042 (D.C. Cir. 2010), although reviewing a Commission decision made prior to the effective date of the Dodd-Frank Act, upheld the Commission's reliance upon competitive markets to set reasonable and equitably allocated fees for market data:

"In fact, the legislative history indicates that the Congress intended that the market system 'evolve through the interplay of competitive forces as unnecessary regulatory restrictions are removed' and that the SEC wield its regulatory power 'in those situations where competition may not be sufficient,' such as in the creation of a 'consolidated transactional reporting system.' "<sup>13</sup>

The court's conclusions about Congressional intent are therefore reinforced by the

Dodd-Frank Act amendments, which create a presumption that exchange fees, including market

data fees, may take effect immediately, without prior Commission approval, and that the

Commission should take action to suspend a fee change and institute a proceeding to determine

<sup>&</sup>lt;sup>12</sup> <u>See Sec. Indus. Fin. Mkts. Ass'n (SIFMA), Initial Decision Release No. 1015, 2016 SEC LEXIS 2278 (ALJ June 1, 2016) (finding the existence of vigorous competition with respect to non-core market data).</u>

<sup>&</sup>lt;sup>13</sup> <u>NetCoalition</u>, at 15 (quoting H.R. Rep. No. 94–229, at 92 (1975), as reprinted in 1975 U.S.C.C.A.N. 321, 323).

whether the fee change should be approved or disapproved only where the Commission has concerns that the change may not be consistent with the Act.

#### 4. <u>Self-Regulatory Organization's Statement on Burden on Competition</u>

The Exchange does not believe that the proposed rule change will result in any burden on competition that is not necessary or appropriate in furtherance of the purposes of the Act. Indeed, the Exchange believes that offering certain Historical Market Data will enhance competition by encouraging sales, which will make analytical data more readily available to investors. Notwithstanding its determination that the Commission may rely upon competition to establish fair and equitably allocated fees for market data, the <u>NetCoalition</u> Court found that the Commission had not, in that case, compiled a record that adequately supported its conclusion that the market for the data at issue in the case was competitive. The Exchange believes that a record may readily be established to demonstrate the competitive nature of the market in question.

The market for data products is extremely competitive and users may freely choose alternative venues and data vendors based on the aggregate fees assessed, the data offered, and the value provided. Numerous exchanges compete with each other for listings, trades, and market data itself, providing virtually limitless opportunities for entrepreneurs who wish to produce and distribute their own market data. Transaction execution and proprietary data products are complementary in that market data is both an input and a byproduct of the execution service. In fact, market data and trade execution are a paradigmatic example of joint products with joint costs. The decision whether and on which platform to post an order will depend on the attributes of the platform where the order can be posted, including the execution fees, data quality and price, and distribution of its data products. Without trade executions, exchange data products cannot exist. Moreover, data products are valuable to many end users only insofar as they provide information that end users expect will assist them or their customers in making trading decisions.

The costs of producing market data include not only the costs of the data distribution infrastructure, but also the costs of designing, maintaining, and operating the exchange's transaction execution platform and the cost of regulating the exchange to ensure its fair operation and maintain investor confidence. The total return that a trading platform earns reflects the revenues it receives from both products and the joint costs it incurs. Moreover, the operation of the Exchange is characterized by high fixed costs and low marginal costs. This cost structure is common in content distribution industries such as software, where developing new software typically requires a large initial investment (and continuing large investments to upgrade software), but once the software is developed, the incremental cost of providing that software to an additional user is typically small, or even zero (e.g., if the software can be downloaded over the internet after being purchased).<sup>14</sup> In the case of any exchange, it is costly to build and maintain a trading platform, but the incremental cost of trading each additional share on an existing platform, or distributing an additional instance of data, is very low. Market information and executions are each produced jointly (in the sense that the activities of trading and placing orders are the source of the information that is distributed) and are each subject to significant scale economies.

Competition among trading platforms can be expected to constrain the aggregate return each platform earns from the sale of its joint products. The level of competition and

<sup>&</sup>lt;sup>14</sup> See William J. Baumol and Daniel G. Swanson, "The New Economy and Ubiquitous Competitive Price Discrimination: Identifying Defensible Criteria of Market Power," <u>Antitrust Law Journal</u>, Vol. 70, No. 3 (2003).

contestability in the market is evidence in the numerous alternative venues that compete for order flow, including SRO markets, as well as internalizing BDs and various forms of alternative trading systems ("ATSs"), including dark pools and electronic communication networks ("ECNs"). Each SRO market competes to produce transaction reports via trade executions. It is common for BDs to further and exploit this competition by sending their order flow and transaction reports to multiple markets, rather than providing them all to a single market. Competitive markets for order flow, executions, and transaction reports provide pricing discipline for the inputs of proprietary data products. The large number of SROs, TRFs, BDs, and ATSs that currently produce proprietary data or are currently capable of producing it provides further pricing discipline for proprietary data products. Each SRO, TRF, ATS, and BD is currently permitted to produce proprietary data products, and many currently do or have announced plans to do so, including the Nasdaq exchanges, NYSE exchanges, and CBOE/Bats exchanges.

In this competitive environment, an "excessive" price for one product will have to be reflected in lower prices for other products sold by the Exchange, or otherwise the Exchange may experience a loss in sales that may adversely affect its profitability. In this case, the proposed rule change enhances competition by providing Historical Market Data at a fixed price. As such, the Exchange believes that the proposed changes will enhance, not impair, competition in the financial markets.

The market for market data products is competitive and inherently contestable because there is fierce competition for the inputs necessary to the creation of proprietary data and strict pricing discipline for the proprietary products themselves. Numerous exchanges compete with each other for listings, trades, and market data itself, providing virtually limitless opportunities for entrepreneurs who wish to produce and distribute their own market data. This proprietary data is produced by each individual exchange, as well as other entities, in a vigorously competitive market.

Broker-dealers currently have numerous alternative venues for their order flow, including fifteen existing options markets. Each SRO market competes to produce transaction reports via trade executions. Competitive markets for order flow, executions, and transaction reports provide pricing discipline for the inputs of proprietary data products. The large number of SROs that currently produce proprietary data or are currently capable of producing it provides further pricing discipline for proprietary data products. Each SRO is currently permitted to produce proprietary data products, and many in addition to MIAX PEARL currently do, including NASDAQ, CBOE, Nasdaq ISE, NYSE American, and NYSE Arca. Additionally, order routers and market data vendors can facilitate single or multiple broker-dealers' production of proprietary data products. The potential sources of proprietary products are virtually limitless.

Market data vendors provide another form of price discipline for proprietary data products because they control the primary means of access to end subscribers. Vendors impose price restraints based upon their business models. For example, vendors such as Bloomberg and Thomson Reuters that assess a surcharge on data they sell may refuse to offer proprietary products that end subscribers will not purchase in sufficient numbers. Internet portals, such as Google, impose a discipline by providing only data that will enable them to attract "eyeballs" that contribute to their advertising revenue. Retail broker-dealers, such as Schwab and Fidelity, offer their customers proprietary data only if it promotes trading and generates sufficient commission revenue. Although the business models may differ, these vendors' pricing discipline is the same: they can simply refuse to purchase any proprietary data product that fails to provide

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sufficient value. The Exchange and other producers of proprietary data products must understand and respond to these varying business models and pricing disciplines in order to market proprietary data products successfully.

In addition to the competition and price discipline described above, the market for proprietary data products is also highly contestable because market entry is rapid, inexpensive, and profitable. The history of electronic trading is replete with examples of entrants that swiftly grew into some of the largest electronic trading platforms and proprietary data producers: Archipelago, BATS Trading and Direct Edge. Regulation NMS, by deregulating the market for proprietary data, has increased the contestability of that market. While broker-dealers have previously published their proprietary data individually, Regulation NMS encourages market data vendors and broker-dealers to produce proprietary products cooperatively in a manner never before possible. Multiple market data vendors already have the capability to aggregate data and disseminate it on a profitable scale, including Bloomberg, and Thomson Reuters.

The Court in <u>NetCoalition</u> concluded that the Commission had failed to demonstrate that the market for market data was competitive based on the reasoning of the Commission's <u>NetCoalition</u> order because, in the Court's view, the Commission had not adequately demonstrated that the proprietary data at issue in the case is used to attract order flow. The Exchange believes, however, that evidence not then before the court clearly demonstrates that availability of data attracts order flow. Due to competition among platforms, the Exchange intends to improve its platform data offerings on a continuing basis, and to respond promptly to customers' data needs.

The intensity of competition for proprietary information is significant and the Exchange believes that this proposal itself clearly evidences such competition. The Exchange is offering Historical Market Data in order to keep pace with changes in the industry and evolving customer needs. It is entirely optional and is geared towards attracting new order flow. MIAX PEARL competitors continue to create new market data products and innovative pricing in this space. In all cases, the Exchange expects firms and other parties to make decisions on how much and what types of data to consume on the basis of the total cost of interacting with MIAX PEARL or other exchanges. Of course, the explicit data fees are only one factor in a total platform analysis. Some competitors have lower transactions fees and higher data fees, and others are vice versa. The market for this proprietary information is highly competitive and continually evolves as products develop and change.

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

No written comments were either solicited or received.

#### 6. <u>Extension of Time Period for Commission Action</u>

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

#### 7. <u>Basis for Summary Effectiveness Pursuant to Section 19(b)(3) or for Accelerated</u> <u>Effectiveness Pursuant to Section 19(b)(2)</u>

Pursuant to Section 19(b)(3)(A)(ii) of the Act, and Rule 19b-4(f)(2) thereunder the

Exchange has designated this proposal as establishing or changing a due, fee, or other charge

imposed on any person, whether or not the person is a member of the self-regulatory

organization, which renders the proposed rule change effective upon filing.

#### 8. <u>Proposed Rule Change Based on rules of Another Self-Regulatory Organization or</u> of the Commission

The proposed Historical Market Data fee is not based upon the fee of another SRO or of

the Commission.

# 9. <u>Security-Based Swap Submissions Filed Pursuant to Section 3C of the Act</u> Not applicable.

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

Not applicable.

- 11. <u>Exhibits</u>
  - 1. Completed notice of proposed rule change for publication in the <u>Federal Register</u>.
  - 5. Copy of the applicable section of the MIAX PEARL Fee Schedule.

## **EXHIBIT 1**

#### SECURITIES AND EXCHANGE COMMISSION (Release No. 34- ; File No. SR-PEARL-2017-35)

October\_\_, 2017

#### Self-Regulatory Organizations: Notice of Filing and Immediate Effectiveness of a Proposed Rule Change by MIAX PEARL, LLC to Amend the MIAX PEARL Fee Schedule

Pursuant to the provisions of 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 October 11, 2017, MIAX

PEARL, LLC ("MIAX PEARL" or "Exchange") filed with the Securities and Exchange

Commission ("Commission") a 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. <u>Self-Regulatory Organization's Statement of the Terms of Substance of the Proposed</u> <u>Rule Change</u>

The Exchange is filing a proposal to amend the MIAX PEARL Fee Schedule (the "Fee

Schedule") to adopt a fee for the sale of certain historical market data.

The text of the proposed rule change is available on the Exchange's website at

http://www.miaxoptions.com/rule-filings/pearl at MIAX PEARL's principal office, and at the

Commission's Public Reference Room.

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

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

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

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

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. <u>Self-Regulatory Organization's Statement of the Purpose of, and Statutory</u> <u>Basis for, the Proposed Rule Change</u>

1. <u>Purpose</u>

The Exchange proposes to amend its Fee Schedule to adopt a fee for the sale of certain historical market data.

The historical market data that the Exchange proposes to sell provides information about the past activity of all option products traded on the Exchange for each trading session conducted during a particular calendar month. The data is intended to enhance the user's ability to analyze option trade and volume data, evaluate historical trends in the trading activity of a particular option product, and enable the testing of trading models and analytical strategies. Specifically, the historical market data that the Exchange proposes to sell includes all data that is captured and disseminated on the following proprietary MIAX PEARL data feeds, on a T+1 basis: MIAX PEARL Top of Market ("ToM"); and MIAX PEARL Liquidity Feed ("PLF") ("Historical Market Data"). All such proprietary MIAX PEARL data feeds that, on a T+1 basis, comprise the Historical Market Data are described on the Exchange's Fee Schedule.<sup>3</sup>

ToM provides real-time, ultra-low latency updates of the MIAX PEARL Best Bid or Offer, or PBBO,<sup>4</sup> the last sale with trade price, size and condition, last sale cancellations, listed series updates, system state, and underlying trading state.<sup>5</sup> PLF provides real-time, ultra-low

<sup>&</sup>lt;sup>3</sup> <u>See MIAX PEARL Fee Schedule, Section 6.</u>

<sup>&</sup>lt;sup>4</sup> The term "PBBO" means the best bid or offer on the PEARL Exchange. <u>See</u> Exchange Rule 100. <u>See also</u> Exchange Rule 506(d).

 <sup>5</sup> See Securities Exchange Act Release No. 79913 (February 1, 2017), 82 FR 9617 (February 7, 2017)(SR-PEARL-2017-01)(Establishing MIAX PEARL ToM and PLF Data Products).

latency updates of new simple orders added to the MIAX PEARL order book, updates to simple orders resting on the MIAX PEARL order book, listed series updates, System<sup>6</sup> state, and underlying trading state.<sup>7</sup>

MIAX PEARL will only assess the fee for Historical Market Data on a user (whether Member or Non-Member) that specifically requests such Historical Market Data. Historical Market Data will be uploaded onto an Exchange-provided device. The amount of the fee is \$500, and it will be assessed on a per device basis. Each device shall have a maximum storage capacity of 8 Terabytes and will be configured to include data for both MIAX Options and MIAX PEARL. Users may request up to six months of Historical Market Data per device, subject to the device's storage capacity. Historical Market Data is available from August 1, 2017 to the present (always on a T+1 basis), however only the most recent six months of Historical Market Data shall be available for purchase from the request date. Historical Market Data usage is restricted to internal use only, and thus may not be distributed to any third-party.

The Exchange notes that this filing is substantially similar to a companion MIAX Options filing<sup>8</sup> establishing a fee for historical market data on its exchange.

2. <u>Statutory Basis</u>

The Exchange believes that its proposal to amend its Fee Schedule is consistent with Section 6(b) of the Act<sup>9</sup> in general, and furthers the objectives of Section 6(b)(4) of the Act,<sup>10</sup> in particular, in that it is an equitable allocation of reasonable dues, fees and other charges among

<sup>&</sup>lt;sup>6</sup> The term "System" means the automated trading system used by the Exchange for the trading of securities. <u>See</u> Exchange Rule 100.

<sup>&</sup>lt;sup>7</sup> <u>See</u> supra note 5.

<sup>&</sup>lt;sup>8</sup> <u>See SR-MIAX-2017-42</u> (filed on October 11, 2017).

<sup>&</sup>lt;sup>9</sup> 15 U.S.C. 78f(b).

<sup>&</sup>lt;sup>10</sup> 15 U.S.C. 78f(b)(4).

Exchange members and issuers and other persons using its facilities. The proposal provides for the equitable allocation of reasonable fees and other charges among Exchange members and other persons using its facilities because all persons and entities will have equal access to Historical Market Data.

The Exchange believes the proposed fees are a reasonable allocation of its costs and expenses among its Members and other persons using its facilities since it is recovering the costs associated with distributing such data. Access to the Exchange is provided on fair and nondiscriminatory terms. The Exchange believes the proposed fees are equitable and not unfairly discriminatory because the fee level results in a reasonable and equitable allocation of fees amongst users for similar services. Moreover, the decision as to whether or not to purchase Historical Market Data is entirely optional to all users. Potential purchasers are not required to purchase the Historical Market Data, and the Exchange is not required to make the Historical Market Data available. Purchasers may request the data at any time or may decline to purchase such data. The allocation of fees among users is fair and reasonable because, if the market deems the proposed fees to be unfair or inequitable, firms can diminish or discontinue their use of this data.

In adopting Regulation NMS, the Commission granted self-regulatory organizations and broker-dealers increased authority and flexibility to offer new and unique market data to the public. It was believed that this authority would expand the amount of data available to consumers, and also spur innovation and competition for the provision of market data:

"[E]fficiency is promoted when broker-dealers who do not need the data beyond the prices, sizes, market center identifications of the NBBO and consolidated last sale information are not required to receive (and pay for) such data when broker-dealers may choose to receive (and pay for) additional market data based on their own internal analysis of the need for such data."<sup>11</sup>

<sup>&</sup>lt;sup>11</sup> <u>See</u> Securities Exchange Act Release No. 51808 (June 9, 2005), 70 FR 37496 (June 29, 2005).

By removing "unnecessary regulatory restrictions" on the ability of exchanges to sell their own data, Regulation NMS advanced the goals of the Act and the principles reflected in its legislative history. If the free market should determine whether proprietary data is sold to broker-dealers at all, it follows that the price at which such data is sold should be set by the market as well.

In July, 2010, Congress adopted H.R. 4173, the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010 ("Dodd-Frank Act"), which amended Section 19 of the Act. Among other things, Section 916 of the Dodd-Frank Act amended paragraph (A) of Section 19(b)(3) of the Act by inserting the phrase "on any person, whether or not the person is a member of the self-regulatory organization" after "due, fee or other charge imposed by the selfregulatory organization." As a result, all SRO rule proposals establishing or changing dues, fees or other charges are immediately effective upon filing regardless of whether such dues, fees or other charges are imposed on members of the SRO, non-members, or both. Section 916 further amended paragraph (C) of Section 19(b)(3) of the Act to read, in pertinent part, "At any time within the 60-day period beginning on the date of filing of such a proposed rule change in accordance with the provisions of paragraph (1) [of Section 19(b)], the Commission summarily may temporarily suspend the change in the rules of the self-regulatory organization made thereby, 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 this title. If the Commission takes such action, the Commission shall institute proceedings under paragraph (2)(B) [of Section 19(b)] to determine whether the proposed rule should be approved or disapproved."

The Exchange believes that these amendments to Section 19 of the Act reflect Congress's intent to allow the Commission to rely upon the forces of competition to ensure that fees for

market data are reasonable and equitably allocated. Although Section 19(b) had formerly authorized immediate effectiveness for a "due, fee or other charge imposed by the self-regulatory organization," the Commission adopted a policy and subsequently a rule stating that fees for data and other products available to persons that are not members of the self-regulatory organization must be approved by the Commission after first being published for comment. At the time, the Commission supported the adoption of the policy and the rule by pointing out that unlike members, whose representation in self-regulatory organization governance was mandated by the Act, non-members should be given the opportunity to comment on fees before being required to pay them, and that the Commission should specifically approve all such fees. The Exchange believes that the amendment to Section 19 reflects Congress's conclusion that the evolution of self-regulatory organization governance and competitive market structure have rendered the Commission's prior policy on non-member fees obsolete. Specifically, many exchanges have evolved from member-owned, not-for-profit corporations into for-profit, investor-owned corporations (or subsidiaries of investor-owned corporations). Accordingly, exchanges no longer have narrow incentives to manage their affairs for the exclusive benefit of their members, but rather have incentives to maximize the appeal of their products to all customers, whether members or non-members, so as to broaden distribution and grow revenues. Moreover, the Exchange believes that the change also reflects an endorsement of the Commission's determinations that reliance on competitive markets is an appropriate means to ensure equitable and reasonable prices. Simply put, the change reflects a presumption that all fee changes should be permitted to take effect immediately, since the level of all fees are constrained by competitive forces.

Selling proprietary market data, such as Historical Market Data, is a means by which exchanges compete to attract business. To the extent that exchanges are successful in such competition, they earn trading revenues and also enhance the value of their data products by increasing the amount of data they provide. The need to compete for business places substantial pressure upon exchanges to keep their fees for both executions and data reasonable.<sup>12</sup> The Exchange therefore believes that the fees for Historical Market Data are properly assessed on Members and Non-Member users.

The decision of the United States Court of Appeals for the District of Columbia Circuit in <u>NetCoalition v. SEC</u>, No. 09-1042 (D.C. Cir. 2010), although reviewing a Commission decision made prior to the effective date of the Dodd-Frank Act, upheld the Commission's reliance upon competitive markets to set reasonable and equitably allocated fees for market data:

"In fact, the legislative history indicates that the Congress intended that the market system 'evolve through the interplay of competitive forces as unnecessary regulatory restrictions are removed' and that the SEC wield its regulatory power 'in those situations where competition may not be sufficient,' such as in the creation of a 'consolidated transactional reporting system.' "<sup>13</sup>

The court's conclusions about Congressional intent are therefore reinforced by the

Dodd-Frank Act amendments, which create a presumption that exchange fees, including market

data fees, may take effect immediately, without prior Commission approval, and that the

Commission should take action to suspend a fee change and institute a proceeding to determine

whether the fee change should be approved or disapproved only where the Commission has

concerns that the change may not be consistent with the Act.

#### B. <u>Self-Regulatory Organization's Statement on Burden on Competition</u>

MIAX PEARL does not believe that the proposed rule changes will impose any burden

on competition not necessary or appropriate in furtherance of the purposes of the Act. Indeed,

<sup>&</sup>lt;sup>12</sup> <u>See Sec. Indus. Fin. Mkts. Ass'n (SIFMA), Initial Decision Release No. 1015, 2016 SEC LEXIS 2278 (ALJ June 1, 2016) (finding the existence of vigorous competition with respect to non-core market data).</u>

<sup>&</sup>lt;sup>13</sup> <u>NetCoalition</u>, at 15 (quoting H.R. Rep. No. 94–229, at 92 (1975), as reprinted in 1975 U.S.C.C.A.N. 321, 323).

the Exchange believes that offering certain Historical Market Data will enhance competition by encouraging sales, which will make analytical data more readily available to investors. Notwithstanding its determination that the Commission may rely upon competition to establish fair and equitably allocated fees for market data, the <u>NetCoalition</u> Court found that the Commission had not, in that case, compiled a record that adequately supported its conclusion that the market for the data at issue in the case was competitive. The Exchange believes that a record may readily be established to demonstrate the competitive nature of the market in question.

The market for data products is extremely competitive and users may freely choose alternative venues and data vendors based on the aggregate fees assessed, the data offered, and the value provided. Numerous exchanges compete with each other for listings, trades, and market data itself, providing virtually limitless opportunities for entrepreneurs who wish to produce and distribute their own market data. Transaction execution and proprietary data products are complementary in that market data is both an input and a byproduct of the execution service. In fact, market data and trade execution are a paradigmatic example of joint products with joint costs. The decision whether and on which platform to post an order will depend on the attributes of the platform where the order can be posted, including the execution fees, data quality and price, and distribution of its data products. Without trade executions, exchange data products cannot exist. Moreover, data products are valuable to many end users only insofar as they provide information that end users expect will assist them or their customers in making trading decisions.

The costs of producing market data include not only the costs of the data distribution infrastructure, but also the costs of designing, maintaining, and operating the exchange's transaction execution platform and the cost of regulating the exchange to ensure its fair operation and maintain investor confidence. The total return that a trading platform earns reflects the revenues it receives from both products and the joint costs it incurs. Moreover, the operation of the Exchange is characterized by high fixed costs and low marginal costs. This cost structure is common in content distribution industries such as software, where developing new software typically requires a large initial investment (and continuing large investments to upgrade software), but once the software is developed, the incremental cost of providing that software to an additional user is typically small, or even zero (*e.g.*, if the software can be downloaded over the internet after being purchased).<sup>14</sup> In the case of any exchange, it is costly to build and maintain a trading platform, but the incremental cost of trading each additional share on an existing platform, or distributing an additional instance of data, is very low. Market information and executions are each produced jointly (in the sense that the activities of trading and placing orders are the source of the information that is distributed) and are each subject to significant scale economies.

Competition among trading platforms can be expected to constrain the aggregate return each platform earns from the sale of its joint products. The level of competition and contestability in the market is evidence in the numerous alternative venues that compete for order flow, including SRO markets, as well as internalizing BDs and various forms of alternative trading systems ("ATSs"), including dark pools and electronic communication networks ("ECNs"). Each SRO market competes to produce transaction reports via trade executions. It is common for BDs to further and exploit this competition by sending their order flow and transaction reports to multiple markets, rather than providing them all to a single market. Competitive markets for order flow, executions, and transaction reports provide pricing

<sup>&</sup>lt;sup>14</sup> See William J. Baumol and Daniel G. Swanson, "The New Economy and Ubiquitous Competitive Price Discrimination: Identifying Defensible Criteria of Market Power," <u>Antitrust Law Journal</u>, Vol. 70, No. 3 (2003).

discipline for the inputs of proprietary data products. The large number of SROs, TRFs, BDs, and ATSs that currently produce proprietary data or are currently capable of producing it provides further pricing discipline for proprietary data products. Each SRO, TRF, ATS, and BD is currently permitted to produce proprietary data products, and many currently do or have announced plans to do so, including the Nasdaq exchanges, NYSE exchanges, and CBOE/Bats exchanges.

In this competitive environment, an "excessive" price for one product will have to be reflected in lower prices for other products sold by the Exchange, or otherwise the Exchange may experience a loss in sales that may adversely affect its profitability. In this case, the proposed rule change enhances competition by providing Historical Market Data at a fixed price. As such, the Exchange believes that the proposed changes will enhance, not impair, competition in the financial markets.

The market for market data products is competitive and inherently contestable because there is fierce competition for the inputs necessary to the creation of proprietary data and strict pricing discipline for the proprietary products themselves. Numerous exchanges compete with each other for listings, trades, and market data itself, providing virtually limitless opportunities for entrepreneurs who wish to produce and distribute their own market data. This proprietary data is produced by each individual exchange, as well as other entities, in a vigorously competitive market.

Broker-dealers currently have numerous alternative venues for their order flow, including fifteen existing options markets. Each SRO market competes to produce transaction reports via trade executions. Competitive markets for order flow, executions, and transaction reports provide pricing discipline for the inputs of proprietary data products. The large number of SROs that currently produce proprietary data or are currently capable of producing it provides further

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pricing discipline for proprietary data products. Each SRO is currently permitted to produce proprietary data products, and many in addition to MIAX PEARL currently do, including NASDAQ, CBOE, Nasdaq ISE, NYSE American, and NYSE Arca. Additionally, order routers and market data vendors can facilitate single or multiple broker-dealers' production of proprietary data products. The potential sources of proprietary products are virtually limitless.

Market data vendors provide another form of price discipline for proprietary data products because they control the primary means of access to end subscribers. Vendors impose price restraints based upon their business models. For example, vendors such as Bloomberg and Thomson Reuters that assess a surcharge on data they sell may refuse to offer proprietary products that end subscribers will not purchase in sufficient numbers. Internet portals, such as Google, impose a discipline by providing only data that will enable them to attract "eyeballs" that contribute to their advertising revenue. Retail broker-dealers, such as Schwab and Fidelity, offer their customers proprietary data only if it promotes trading and generates sufficient commission revenue. Although the business models may differ, these vendors' pricing discipline is the same: they can simply refuse to purchase any proprietary data product that fails to provide sufficient value. The Exchange and other producers of proprietary data products must understand and respond to these varying business models and pricing disciplines in order to market proprietary data products successfully.

In addition to the competition and price discipline described above, the market for proprietary data products is also highly contestable because market entry is rapid, inexpensive, and profitable. The history of electronic trading is replete with examples of entrants that swiftly grew into some of the largest electronic trading platforms and proprietary data producers: Archipelago, BATS Trading and Direct Edge. Regulation NMS, by deregulating the market for proprietary data, has increased the contestability of that market. While broker-dealers have previously published their proprietary data individually, Regulation NMS encourages market data vendors and broker-dealers to produce proprietary products cooperatively in a manner never before possible. Multiple market data vendors already have the capability to aggregate data and disseminate it on a profitable scale, including Bloomberg, and Thomson Reuters.

The Court in <u>NetCoalition</u> concluded that the Commission had failed to demonstrate that the market for market data was competitive based on the reasoning of the Commission's <u>NetCoalition</u> order because, in the Court's view, the Commission had not adequately demonstrated that the proprietary data at issue in the case is used to attract order flow. The Exchange believes, however, that evidence not then before the court clearly demonstrates that availability of data attracts order flow. Due to competition among platforms, the Exchange intends to improve its platform data offerings on a continuing basis, and to respond promptly to customers' data needs.

The intensity of competition for proprietary information is significant and the Exchange believes that this proposal itself clearly evidences such competition. The Exchange is offering Historical Market Data in order to keep pace with changes in the industry and evolving customer needs. It is entirely optional and is geared towards attracting new order flow. MIAX PEARL competitors continue to create new market data products and innovative pricing in this space. In all cases, the Exchange expects firms and other parties to make decisions on how much and what types of data to consume on the basis of the total cost of interacting with MIAX PEARL or other exchanges. Of course, the explicit data fees are only one factor in a total platform analysis. Some competitors have lower transactions fees and higher data fees, and others are vice versa. The market for this proprietary information is highly competitive and continually evolves as products develop and change.

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

Written comments were neither solicited nor received.

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

The foregoing rule change has become effective pursuant to Section 19(b)(3)(A)(ii) of the Act,<sup>15</sup> and Rule  $19b-4(f)(2)^{16}$  thereunder. At any time within 60 days of the filing of the proposed rule change, the Commission summarily may temporarily suspend such rule change if it appears to the Commission that such action is necessary or appropriate in the public interest, for the protection of investors, or otherwise in furtherance of the purposes of the Act. If the Commission takes such action, the Commission shall institute proceedings to determine whether the proposed rule should be approved or disapproved.

#### IV. Solicitation of Comments

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

#### Electronic comments:

- Use the Commission's Internet comment form (<u>http://www.sec.gov/rules/sro.shtml</u>);
   or
- Send an e-mail to rule-comments@sec.gov. Please include File Number SR-PEARL-2017-35 on the subject line.

#### Paper comments:

 Send paper comments in triplicate to Brent J. Fields, Secretary, Securities and Exchange Commission, 100 F Street, NE, Washington, DC 20549-1090.

<sup>&</sup>lt;sup>15</sup> 15 U.S.C. 78s(b)(3)(A)(ii).

<sup>&</sup>lt;sup>16</sup> 17 CFR 240.19b-4(f)(2).

All submissions should refer to File Number SR-PEARL-2017-35. This file number should be included on the subject line if e-mail is used. To help the Commission process and review your comments more efficiently, please use only one method. The Commission will post all comments on the Commission's Internet 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-PEARL-2017-35 and should be submitted on or before [insert date 21 days from publication in the <u>Federal Register</u>]. For the Commission, by the Division of Trading and Markets, pursuant to delegated authority.<sup>17</sup>

Brent J. Fields Secretary

<sup>&</sup>lt;sup>17</sup> 17 CFR 200.30-3(a)(12).

# Exhibit 5

New text is <u>underlined;</u> Deleted text is in [brackets]

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# **MIAX PEARL Fee Schedule**

- 1) 5) No change
  - 6) a)-b) No change

# c) Historical Market Data

<u>User Type</u>	Fee Per Device
Members and Non-Members	<u>\$500.00</u>

MIAX PEARL will assess Market Data Fees applicable to Historical Market Data on users (Members and Non-Members) that request such Historical Market Data, on a per device basis. Historical Market Data consists of all proprietary trading data published by MIAX PEARL through proprietary market data feeds, from August 1, 2017 to the present (always on a T+1 basis). Historical Market Data will be uploaded onto an Exchange-provided device. Users may request up to six months of Historical Market Data per device, subject to the device's storage capacity. Only the most recent six months of Historical Market Data shall be available for purchase from the request date.