

Warning: Failure to keep this form current and to file accurate supplementary information on a timely basis, or the failure to keep accurate books and records or otherwise comply with the provisions of law applying to the conduct of the applicant would violate the federal securities laws and may result in disciplinary, administrative or criminal action

INTENTIONAL MISSTATEMENTS OR OMISSIONS OF FACTS MAY CONSTITUTE CRIMINAL VIOLATIONS

APPLICATION AMENDMENT

1. State the name of the applicant: MIAX PEARL, LLC
2. Provide the applicant's primary street address (Do not use a P.O. Box): 7 Roszel Road, Suite 5-A, Princeton, NJ 08540
3. Provide the applicant's mailing address (if different):
4. Provide the applicant's business telephone and facsimile number:
Telephone: 609-897-7300; Facsimile: 609-987-2210
5. Provide the name, title and telephone number of a contact employee:
Barbara J. Comly, EVP, General Counsel & Corporate Secretary
609-897-7315
6. Provide the name and address of counsel for the applicant:
Barbara J. Comly, EVP, General Counsel & Corporate Secretary
MIAX PEARL, LLC
7 Roszel Road, Suite 5-A
Princeton, NJ 08540
7. Provide the date applicant's fiscal year ends: December 31
8. Indicate legal status of applicant: Corporation Sole Proprietorship Partnership
 Limited Liability Company Other (specify):

SEC
Mail Processing
Section
FEB 23 2017
Washington DC
412



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If other than a sole proprietor, indicate the date and place where applicant obtained its legal status (e.g. state where incorporated, place where partnership agreement was filed or where applicant entity was formed):

- (a) Date (MM/DD/YY): 02/11/16 (b) State/Country of formation: Delaware
- (c) Statute under which applicant was organized: Delaware Limited Liability Company Act, 6 Del. C. 18-1d et seq.

EXECUTION: The applicant consents that service of any civil action brought by, or notice of any proceeding before, the Securities and Exchange Commission in connection with the applicant's activities may be given by registered or certified mail or confirmed telegram to the applicant's contact employee at the main address, or mailing address if different, given in Items 2 and 3. The undersigned, being first duly sworn, deposes and says that he/she has executed this form on behalf of, and with the authority of, said applicant. The undersigned and applicant represent that the information and statements contained herein, including exhibits, schedules, or other documents attached hereto, and other information filed herewith, all of which are made a part hereof, are current, true, and complete.

MIAX PEARL, LLC

Date: February 21, 2017

By: *Barbara J Comly*
Barbara J. Comly
EVP, General Counsel & Corporate Secretary

Subscribed and sworn before me this 21st day of February, 2017.

Jane Post
Jane Post
Notary Public of the State of New Jersey
My Commission Expires October 27, 2019

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 Limited Liability Company Other (specify):

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(c) Statute under which applicant was organized: Delaware Limited Liability Company Act, 6 Del. C. 18-1d et seq.

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MIAX PEARL, LLC

Date: February 21, 2017

By: *Barbara J Comly*
Barbara J. Comly
EVP, General Counsel & Corporate Secretary

Subscribed and sworn before me this 21st day of February, 2017.

Jane Post
Jane Post
Notary Public of the State of New Jersey
My Commission Expires October 27, 2019

EXHIBIT F

Exhibit Request:

A complete set of all forms pertaining to:

- 1. Application for membership, participation, or subscription to the entity.**
- 2. Application for approval as a person associated with a member, participant, or subscriber of the entity.**
- 3. Any other similar materials.**

Response:

1. MIAX Options/MIAX PEARL Pre-Application Survey Form
2. MIAX Options/MIAX PEARL Member Application
3. MIAX PEARL Waive-In Member Application
4. MIAX Options/MIAX PEARL Amendment to the Member Application
5. MIAX PEARL Market Maker Member Guarantee
6. MIAX PEARL Clearing Member Give-Up Authorization and Guarantee
7. MIAX Options/MIAX PEARL User Agreement
8. MIAX PEARL Sponsored Access Agreement
9. MIAX Options/MIAX PEARL Statutory Disqualification Notice
10. MIAX PEARL Attestation, Consent to Jurisdiction and Authorization of Associated Person Membership – Firm Applicant
11. MIAX PEARL Attestation, Consent to Jurisdiction and Authorization of Associated Person Membership – Individual Applicant
12. MIAX Options/MIAX PEARL Exchange Data Agreement
13. MIAX Options/MIAX PEARL Affiliated Companies List – Schedule A to Exchange Data Agreement
14. MIAX Options/MIAX PEARL Data Feed Request Form – Schedule B to Exchange Data Agreement
15. MIAX Options/MIAX PEARL Service Facilitator List – Schedule C to Exchange Data Agreement

16. MIAX Options/MIAX PEARL Market Data Subscriber Agreement – Schedule D to Exchange Data Agreement
17. MIAX Options/MIAX PEARL Market Data Policies
18. MIAX Options/MIAX PEARL Service Bureau Agreement
19. MIAX Options/MIAX PEARL Extranet Connection Agreement **[New]**
20. MIAX Options/MIAX PEARL Extranet Information Form – Schedule A **[New]**

The Exchange intends to use Form U-4, the Uniform Application for Securities Industry Registration or Transfer, for persons applying to be associated persons of a Member.

EXTRANET CONNECTION AGREEMENT

MIAMI INTERNATIONAL SECURITIES EXCHANGE, LLC MIAX PEARL, LLC

This Extranet Connection Agreement (“Agreement”) is executed and entered into as of the date last signed (“Effective Date”) by and between Miami International Securities Exchange, LLC, and/or MIAX PEARL, LLC, as identified below, each a Delaware limited liability company with its principal place of business at 7 Roszel Road, Fifth Floor, Princeton, New Jersey 08540 (individually or collectively “MIAX” or the “Exchange”), and the extranet provider, as identified below (the “Extranet”).

WHEREAS, the Extranet provides certain network connectivity between and among its customers, some of whom desire information and data (“Information”) from the Exchange (“Customers”), and the Extranet desires to provide connectivity to the Exchange to those Customers;

WHEREAS, the Exchange provides certain services to its customers and is willing to provide the Extranet with connectivity to the Exchange as a means to provide connectivity into the Exchange to Customers.

NOW, THEREFORE, in consideration of the mutual promises set forth herein, and other good and valuable consideration, the receipt of which is hereby acknowledged, the parties agree as follows:

1. Provision of Connectivity.

(a) The Exchange shall provide the Extranet with a network connection into the Exchange’s network (the “Exchange Network”) in order to connect Customers to the Exchange (the “Connection”), as permitted in this Agreement or in the Exchange Requirements. “Exchange Requirements” shall mean (i) the applicable rules, regulations, interpretations, decisions, opinions, orders and other requirements of the SEC; (ii) the applicable rules and regulations of the Exchange; (iii) the Exchange’s applicable decisions, policies, interpretations, operating procedures, specifications, requirements, and other documentation (including, but not limited to, user guides); and (iv) the successors, as they may exist at the time, of the components of the Exchange Requirements. The Exchange will use commercially reasonable efforts to provide the Extranet with reasonable advance notice of any changes to the Exchange’s decisions, policies, operating procedures, requirements, and other documentation (including, but not limited to, user guides). The Extranet warrants that it is, will continue to be during the term of this Agreement, and will only use the Connection in compliance with the Agreement and the Exchange Requirements.

(b) The Extranet shall only provide, or cause or permit to be provided, connectivity to the Exchange to a Customer who, at the time of the provision of the connectivity, is of a type qualified (as set forth in the Exchange Requirements) to receive Information from the Exchange. The Extranet agrees that the Exchange may have different qualification requirements for different types of Customers. Upon an inquiry from the Extranet, the Exchange shall undertake reasonable efforts to promptly notify the Extranet whether a potential or actual Customer is eligible to receive Information from the Exchange and the types of Information for which the Customer is eligible. Such inquiries from the Extranet shall only be generated if actual or potential Customer inquiries of the Extranet as to the type of Information for which it is eligible. BY EXECUTING THIS AGREEMENT, THE EXCHANGE DOES NOT GUARANTEE THE PROVISION OF ANY INFORMATION TO THE EXTRANET OR TO ANY CUSTOMERS. THE PROVISION OF SOME INFORMATION DOES NOT SIGNIFY THAT OTHER INFORMATION WILL BE PROVIDED.

(c) The Extranet shall have access to the Exchange Network through the MIAX Express Network Interface (“MENI”) in order to provide Customers with access to MIAX and/or its data feeds. MENI may be accessed to: (1) receive MIAX Data feeds (the “Feeds”) and to distribute the Feeds to Customers; and (2) provide Customers with network connectivity services in order to access or receive information from the MENI. A Customer authorized to receive

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services under (1) and (2) is a Customer of the Extranet that: (x) has entered into an effective and current participant agreement and/or market data recipient agreement with MIAX; and (y) MIAX has approved to connect to MIAX via connectivity supplied by Extranet or to receive MIAX data transmitted through the Extranet. Any Customer of the Extranet that is not so authorized is referred to herein as an Unauthorized Customer. In order for a Customer to be approved to receive services under (1) or (2), the Extranet must submit a request to MIAX at TradingOperations@MIAXOptions.com that includes the name and contact information of the party to whom connectivity will be provided. MIAX will typically approve or reject a request within two (2) business days, but is under no obligation to respond within that time frame. Where a request is rejected by MIAX, the Extranet may not provide the applicable party with connectivity to MIAX. In the event the Extranet provides an Unauthorized Customer with access to MIAX and/or the Feeds ("Unauthorized Access") the Extranet shall be in breach of this Agreement and shall be liable to MIAX for any payments that should have been made to MIAX by the Unauthorized Customer for services. The Extranet shall maintain, keep current, and provide to MIAX monthly (pursuant to Section 4) and upon request, a list of Authorized Extranet Customers to whom the Extranet provides either or both of the services under (1) and (2) above.

2. Fees. The Extranet will pay to the Exchange the then effective charges as set forth in the Exchange Requirements (as those charges may be changed from time to time), including interest and late fees and/or penalties (collectively, "Fees"). The Fees are subject to modification by the Exchange at any time, without prior notice to the Extranet.

3. Use of Connection.

(a) The Extranet shall take reasonable security precautions to prevent unauthorized individuals or entities from gaining access to the Connection and Information. The Extranet shall comply with all reasonable security specifications or requirements of the Exchange in order to prevent the Connection and the Information from being improperly used or accessed or from being improperly taken. The Extranet shall not provide Customers with access to the Exchange or the Information, without the Exchange's prior written consent. If the Extranet nevertheless does provide such access without the Exchange's prior written consent, the Extranet shall be liable to the Exchange, as set forth in Section 2, for Fees, which would otherwise be due the Exchange from such unauthorized Customers for receipt of goods and services, including, but not limited to, Information from the Exchange. If the Extranet becomes aware of a potential unauthorized use or access by a Customer, the Extranet shall notify the Exchange immediately of such use.

(b) The Extranet acknowledges that it has no rights in or to the Information, except for the right to transmit the Information to the degree permitted under this Agreement and the agreement between the Exchange and a Customer, to the extent such Customer may be qualified to receive Information as set forth in Section 1(b). The Extranet acknowledges and agrees that the Exchange has (i) proprietary rights in the information and data that originates on, derives from or relates to the Exchange, in the information and data that relates to individuals and entities that are regulated by the Exchange, and in the information and data that relates to activities that are regulated or operated by the Exchange, and (ii) compilation or other rights in information and data gathered from other sources. All Information, including without limitation any and all intellectual property rights inherent therein or appurtenant thereto, shall, as between the parties, be and remain the sole and exclusive property of the Exchange. The Extranet shall not, by act or omission, diminish or impair in any manner the acquisition, maintenance, and full enjoyment by the Exchange, its licensees, transferees and assignees, of the proprietary rights of the Exchange in the Information and the Exchange's networks and system. The Extranet acknowledges and agrees that individuals and entities that provide information, goods and services to the Exchange may have exclusive proprietary rights in their respective information and data. Such information, goods and services shall be included in the definition of Information.

(c) The Extranet agrees (i) not to format, display, access (except to the degree reasonably necessary to maintain the security of the Extranet's network and not otherwise in violation of this Agreement) or alter the Information received through and from the Connection; (ii) not to affect the integrity of the Information; and (iii) not to render the Information inaccurate, unfair, uninformative, fictitious, misleading, or discriminatory. The Extranet shall make

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proper provisions to ensure adequate bandwidth and redundancy throughout its networks to ensure that all Extranet Customers are provided with an adequate level of service so as to not affect the integrity of the Information and not render the Information inaccurate, unfair, uninformative, fictitious, misleading, or discriminatory. The Extranet represents that it will not interfere with or adversely affect any of the component parts or processes of the Information, the Connection or the Exchange's systems, or any use thereof by any other authorized individuals or entities, or the distribution or operation of the Information, the Connection or the Exchange's systems.

(d) If any Customer fails to comply with any of the conditions, terms or provisions of this Agreement applicable to Customers, of any agreement between a Customer and the Exchange and/or the Extranet for the access to the Exchange and/or the Information, or any other agreement between a Customer and the Exchange, and Customer has failed to cure such non-compliance within the cure period, if any, set forth in the applicable agreement, or if a Customer has made any representation in any such agreements which was or has become untrue, then the Extranet shall, within five (5) business days after receipt of notice from the Exchange of such failure or untruth, cease providing access to the Exchange and to the Information to such Customer and shall, within seven (7) business days following the receipt of such notice, confirm such cessation by notice to the Exchange.

4. Monthly Reporting. Each month, the Extranet shall provide the Exchange with a report that consists of the names of Customers, the location of each Customer Premises Equipment ("CPE") Configurations for each Customer, as well as the type of service being provided to each Customer (i.e., FIX, ToM feed, AIS feed, ToM retransmission, AIS retransmission, etc.) (a "Report"). Such reporting shall occur within five (5) days of the end of the applicable month. Upon the initiation of services by the Extranet to a Customer or any update to services, the Extranet shall deliver a completed Schedule A to this Agreement.

5. Customers; Audit.

(a) During regular business hours, the Exchange may cause the Extranet's (i) records, (ii) reports and payments to the Exchange, and (iii) the Extranet's system and service (and all instruments and apparatus used in connection therewith), to the extent such systems and services relate to the provision of Information to Customers, to be reviewed by the Exchange personnel and/or auditors of the Exchange's choice. The review shall be scheduled upon reasonable notice to the Extranet, depending upon the circumstances and conducted in locations where the Extranet's records are kept or where the Extranet's system is located. In addition to or in lieu thereof, the Extranet shall provide the Exchange promptly with information or materials in response to any request for information. The Extranet shall make available for examination all records, reports, payments, and supporting documentation, and the Extranet's system and service necessary in the judgment of the Exchange audit personnel to reach a conclusion as to the accuracy and completeness of: (i) the Extranet's Reports to the Exchange, (ii) the payments connected therewith, and (iii) compliance with the Agreement and the Exchange Requirements. If the review conducted by the Exchange determines there is underreporting, underpayment or other financial non-compliance, including the provision of Unauthorized Access to an Unauthorized Customer, then, at the Exchange's sole discretion, either the Extranet shall cause the Extranet's auditors (at the Extranet's sole expense) to conduct a review and to determine the magnitude of any adjustments of amounts previously remitted to the Exchange within ninety (90) days after notice from the Exchange, or the Exchange or its auditors shall determine the magnitude of any such adjustments. If such audit or review discloses additional underreported or underpaid amounts or other financial non-compliance, such amounts shall be remitted to the Exchange, together with applicable interest thereon at the rate of 1½ % per month. If the review or response to the Exchange's request for information shows other non-compliance, then the Extranet shall comply with the Exchange's demand for compliance. The Exchange's determination in all cases shall be deemed conclusive. The Exchange agrees that liability pursuant to this subsection for underreporting, or underpaying for shall be limited to unpaid fees by the Extranet as well as unpaid fees for any Unauthorized Access to an Unauthorized Customers, together with interest, for the three (3) years preceding the earlier of the date that the Extranet, the Extranet's auditors or the Exchange first knew that such underreporting or underpayment has occurred, if such underreporting or underpayment is solely the result of a good faith error by the Extranet.

EXTRANET CONNECTION AGREEMENT

(b) Further, if such underreporting, underpayment or other financial non-compliance is equal to or greater than five percent (5%) of the monthly invoiced amount for any audited or unaudited period referred to herein, the Extranet shall, in addition to remitting the fees and applicable interest due relative to such underreporting, underpayment or other financial non-compliance, reimburse the Exchange, for any audit, legal or administrative costs and expenses incurred to detect and rectify such underreporting, underpayment or other financial non-compliance, *provided, however*, that such costs and expenses are incurred in good faith and are not unreasonable given the amount of work necessary to detect and determine the extent of, and the actual amount of, such underreporting, underpayment or other financial non-compliance.

6. Term of Agreement.

(a) The initial term of this Agreement shall commence upon the Effective Date or the date the Connection is provided and, unless the Agreement is otherwise terminated, the term shall continue until this Agreement is terminated by at least thirty (30) days prior written notice by a party hereto given to the other. Notwithstanding the foregoing, this Agreement may be terminated by:

(i) either party for a breach of this Agreement (except as set forth in Section 6(a)(ii) below), upon not less than fifteen (15) days prior written notice to the breaching party, unless, if the breach is capable of being cured, the breach is cured within the notice period;

(ii) either party, if an invoice has not been paid in full within sixty (60) days from the date of such invoice;

(iii) the Exchange, immediately, in the event that the Extranet becomes insolvent; or the Extranet makes an assignment for the benefit of creditors; or the Extranet does not pay its debts as they become due or admits its inability to pay its debts when due; or the Extranet files or has filed against it any petition under any provision of the Bankruptcy Act or an application for a receiver, trustee, or custodian is made by anyone or the Extranet becomes the subject of any proceedings of bankruptcy, insolvency, reorganization, dissolution, receivership, liquidation or arrangement, adjustment, or composition with creditors;

(iv) the Exchange, immediately (with notice where practicable), in the event that the Extranet is not permitted or not able to receive or the Exchange is prevented from disseminating the Information, or any part thereof; or any representation, warranty or certification made by the Extranet in the Agreement or in any other document furnished by Extranet is, as of the time made or furnished, false or misleading; the Extranet proceeds with a proposed action which would result in a default of its obligations or covenants under this Agreement or in a breach of any representation, warranty or certification, which is material to the Exchange for regulatory, commercial or other reasons, made by the Extranet in connection herewith, after the Exchange has notified the Extranet that such proposed action would constitute a default hereunder; the Exchange terminates for cause the Extranet's receipt of any other service or product provided by or on behalf of the Exchange; or the Exchange, in its sole discretion, determines that the Extranet Equipment or the Connection has or is likely to have an adverse impact on the operation or performance of the Exchange's network and system, the Information or market or likely to cause disproportionate harm to the Exchange's interests should termination be delayed; or

(v) the Exchange, upon not less than fifteen (15) days prior written notice, in the event that any representation, warranty or certification made by the Extranet in the Agreement or in any other document furnished by the Extranet becomes untrue or inaccurate and is not made true or accurate within the notice period.

(b) Upon termination of this Agreement, the Extranet shall cease any and all use of the Connection and the Information. The Extranet acknowledges and agrees that the exercise by the Exchange of the remedies set forth herein for failure of the Extranet to pay all Fees related to the Connection shall not be deemed or considered to be (and, to the extent permitted by applicable law, the Extranet waives any right to represent or assert that any such exercise

EXTRANET CONNECTION AGREEMENT

constitutes) an act or omission or any improper denial or limitation of access to any Information or facility operated by the Exchange. The right of termination set forth herein is in addition to any other remedy at law or in equity, consistent with the Agreement, that is available to the Exchange with respect to a breach by the Extranet and is in addition to anything otherwise set forth herein. In the event of a party's default under this Agreement, the non-defaulting party shall have all rights available at law or equity, including the right of set-off. In no event shall termination by either party relieve the other party of obligations already incurred.

7. Changes to Service. The Extranet acknowledges and agrees that nothing in this Agreement constitutes an undertaking by the Exchange: (a) to continue the Connection, or any aspect of it, in the present form or configuration or under the current specifications or requirements; or (b) to continue to use existing communications facilities. The Exchange, in its sole discretion, may from time to time make additions to, deletions from or modifications: (i) to the Connection; (ii) to the specifications and requirements; and (iii) to the communications facilities. The Exchange shall undertake reasonable efforts to notify the Extranet of any change to the Connection (other than a minor change) prior to any such change, unless a malfunction in the Exchange's systems or network necessitates modifications on an accelerated basis or an emergency situation precludes such advance notice. Use of the Connection after any change shall constitute acceptance of the Connection, as changed. Under no circumstances shall the Exchange delay the implementation any such changes due to delays by the Extranet in implementing related changes in the Extranet's systems or networks or in the systems or networks of Customers.

8. Requirements of Self-Regulatory Organization; Actions To Be Taken In Fulfillment of Statutory Obligations. Extranet acknowledges that (a) the Exchange is registered with the Securities and Exchange Commission (the "SEC") as a registered national securities exchange; (b) the Exchange has a statutory obligation to protect investors and the public interest, and to ensure that quotation information supplied to investors and the public is fair and informative, and not discriminatory, fictitious or misleading; (c) Section 19(g)(1) of the Securities Exchange Act of 1934, as amended (the "Act") mandates that the Exchange, as a self-regulatory organization, comply with the Exchange Requirements; (d) the Exchange has jurisdiction over its members to enforce compliance with the Exchange Requirements; and (e) the Exchange is obligated to offer terms that are not unreasonably discriminatory between Extranets, subject to applicable Exchange Requirements. Accordingly, Extranet agrees that the Exchange, when required to do so in fulfillment of its statutory obligations, may, temporarily or permanently, unilaterally condition, modify or terminate the right of any or all individuals or entities to receive or use the Information. The Exchange shall undertake reasonable efforts to notify Extranet of any such condition, modification or termination, and Extranet shall promptly comply with any such notice within such period of time as may be determined in good faith by the Exchange to be necessary, consistent with its statutory obligations. Any person that receives such a notice shall have available to it such procedural protections as are provided to it by the Act and the applicable rules thereunder. If Extranet is a Member of the Exchange, then Extranet expressly acknowledges and agrees that (x) this Agreement does not limit or reduce in any way Extranet's obligations and responsibilities as a member of the Exchange; (y) this Agreement does not in any way alter the procedures or standards generally applicable to disciplinary or other actions taken by the Exchange to enforce compliance with, or impose sanctions for violations of, the Exchange Requirements; and (z) the nonpayment of amounts due under this Agreement could result in the suspension or cancellation of Extranet's Exchange membership in accordance with the Exchange Requirements.

9. Force Majeure. Other than with respect to failure to make payments due, neither party shall be liable under this Agreement for delays, failures to perform, damages, losses or destruction, or malfunction of any equipment, or any consequences thereof, caused or occasioned by, or due to fire, earthquake, flood, water, the elements, labor disputes or shortages, utility curtailments, power failures, explosions, civil disturbances, government actions, shortages of equipment or supplies, unavailability of transportation, acts or omissions of third parties, or any other cause beyond its reasonable control.

10. Confidentiality.

EXTRANET CONNECTION AGREEMENT

(a) The Extranet acknowledges that the Information, the Exchange systems and networks, the Exchange's equipment and any parts thereof, and other information, both oral and written, that helps meet a regulatory purpose or business need that the Extranet's employees, officers, directors, independent consultants, (sub)contractors, and other agents (collectively, "Extranet Personnel") are provided by or through the Exchange pursuant to this Agreement are trade secrets, proprietary and unique to the Exchange ("Exchange Confidential Information"), and that copyright and patent rights of the Exchange may also exist. The Extranet, on behalf of itself and the Extranet Personnel agrees to keep confidential such Exchange Confidential Information. The Extranet further agrees to take or cause to be taken all reasonably necessary precautions to maintain the secrecy and confidentiality of such Exchange Confidential Information, and shall not disclose the same to any other third party. Upon termination of this Agreement the Extranet shall destroy or return Exchange Confidential Information to the Exchange in any tangible form whatsoever and all copies thereof.

(b) Except to the extent otherwise set forth in this Agreement, the Exchange shall keep confidential the Extranet's audited records, reports and payments and the audit findings ("Extranet Confidential Information"). The Exchange agrees to take or cause to be taken all reasonably necessary precautions to maintain the secrecy and confidentiality of such Extranet Confidential Information.

(c) Each party shall exercise the same degree of care in the protection of the confidential information as the receiving party exercises with respect to its own proprietary property and trade secrets, but in no event shall it be less than a reasonable degree of care given the nature of the confidential information. The Exchange or the Extranet may disclose confidential information: (i) to the extent demanded by a court; (ii) to the extent revealed to a government agency with regulatory jurisdiction over the Exchange or over the Extranet; (iii) in the course of fulfilling any of the Exchange's regulatory responsibilities, including responsibilities over members and associated persons under the Act; or (iv) to their and the Exchange's employees, directors, independent contractors, (sub)contracts, and other agents solely for uses consistent with the purposes of this Agreement. Notwithstanding anything otherwise set forth in this Agreement, nothing herein shall prevent the Exchange (i) from using the audit findings without restriction to the extent the findings are used in the aggregate with other information and such aggregation does not specifically identify the Extranet; or (ii) from disclosing without restriction the Extranet Confidential Information to the Exchange's telecommunications network provider/operator on a need to know basis. The duties in this section do not apply to data, information or techniques: (1) that is lawfully within a party's possession prior to the date of the Agreement and not under a duty of non-disclosure; (2) that is voluntarily disclosed to a party by a third-party so long as a party does not know that the third-party has breached any obligation not to reveal such data, information or techniques; (3) information that is developed by a party independently of the disclosure; or (4) is generally known or revealed to the public.

11. No Lease. This Agreement is a services agreement and is not intended to and will not constitute a lease of or tenancy or other interest in any Exchange premises, Exchange equipment, CPE, or any other real or personal property.

12. Limitation of Liability.

(a) Except as may be otherwise specifically set forth herein, the Extranet and the Exchange agree that the Exchange Parties (as defined below) shall not be liable to the Extranet or to any third party for any loss of profits (anticipated or otherwise), loss of use, trading loss, loss by reason of shutdown in operation or for increased expenses of operation, or any other damages suffered, or cost and expenses incurred by the Extranet or any third party, of any nature, or from any cause whatsoever, whether direct, indirect, special, punitive, incidental, or consequential, arising out of the furnishing, performance, maintenance, or use of; or inability to use, the Information, Connection and any other services and materials furnished by or on behalf of the Exchange or the Exchange's service providers, notwithstanding that the Exchange has been advised of the possibility that damages may or will arise.

(b) THE CONNECTION, THE OTHER MATERIALS OR SERVICES FURNISHED BY OR ON BEHALF OF THE EXCHANGE ARE PROVIDED "AS IS", WITHOUT WARRANTIES OF ANY KIND, INCLUDING, BUT NOT LIMITED

EXTRANET CONNECTION AGREEMENT

TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NON-INFRINGEMENT. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE CONNECTION, AND ANY OTHER MATERIALS OR SERVICES FURNISHED BY OR ON BEHALF OF THE EXCHANGE IS WITH THE EXTRANET. THE EXCHANGE MAKES NO REPRESENTATION OR WARRANTY THAT THE CONNECTION AND OTHER MATERIALS OR SERVICES FURNISHED BY OR ON BEHALF OF THE EXCHANGE WILL MEET THE EXTRANET'S REQUIREMENTS, BE ERROR FREE, OR OPERATE WITHOUT INTERRUPTION OR FAILURE, AND THE EXCHANGE EXPRESSLY DISCLAIMS ALL WARRANTIES OF ANY KIND, EXPRESS, IMPLIED OR STATUTORY (INCLUDING WHITEOUT LIMITATION, USE, TIMELINESS, SEQUENCE, COMPLETENESS, ACCURACY, FREEDOM FROM INTERRUPTION, AND ANY IMPLIED WARRANTIES ARISING FROM TRADE USAGE, COURSE OF DEALING, OR COURSE OF PERFORMANCE).

(c) The Extranet and the Exchange understand and agree that the pricing for the Connection reasonably reflects the allocation of risk and limitation of liability set forth in this Agreement

(d) In no event shall any claim, dispute, controversy or other matter in question be made against the Exchange by the Extranet or any individual or entity claiming by or through the Extranet later than one year after the claim, dispute, controversy, and other matter in question has arisen.

13. Indemnification.

(a) Extranet will indemnify, defend and hold the Exchange, and its members, directors, officers, employees and agents harmless from and against any and all claims arising out of or in connection with this Agreement, including, without limitation, any liability, loss or damages (including, without limitation, attorneys' fees and other expenses) caused by any inaccuracy in or omission from, Extranet's failure to furnish or to keep, or Extranet's delay in furnishing or keeping, any report or record required to be kept by Extranet hereunder.

(b) The Exchange will indemnify, defend and hold Extranet and its directors, officers, employees and agents harmless from and against any and all claims against Extranet that the Connection and any other services and materials furnished by or on behalf of the Exchange infringes the intellectual property rights or violates any property right of a third party provided that Extranet (i) provides the Exchange with prompt written notice of such claim, (ii) agrees that the Exchange shall have sole control of defense and/or settlement of such claim, and (iii) reasonably cooperates with the Exchange in the defense of such claim.

14. Notices. All notices and other communications (except for invoices) required hereunder to be in writing shall be deemed to have been duly given, (i) upon actual receipt (or date of first refusal), if and when delivered by hand or (ii) upon constructive receipt, as of the date of receipt (or date of first refusal), when sent by overnight carrier, returned receipt requested, to the address of the Extranet or the Exchange as applicable, as set forth below, or, for the Extranet, to such other person or address as the Extranet shall furnish or (iii) upon posting the notice or communication on www.MIAXOptions.com or a successor site.

EXTRANET CONNECTION AGREEMENT

All communications required to be given in writing under this Agreement shall be directed to:

(a) *If to Extranet*

Name: _____

Title: _____

Address: _____

Telephone: _____

Fax: _____

Email: _____

(b) *If to the Exchange:*

Miami International Securities Exchange, LLC

and/or MIAX PEARL, LLC

7 Roszel Road

Fifth Floor

Princeton, New Jersey 08540

Phone: 609-897-7302

Fax: 609-897-2201

Attn: John Cunningham, Member Services

Email: jcunningham@MIAXOptions.com;

TradingOperations@MIAXOptions.com

If an email address is provided, the Exchange may, in lieu of the above, give notice to or communicate with the Extranet by email addressed to the persons identified above or to such other email address or persons as Extranet shall hereafter specifies. By providing an email address, the Extranet agrees that any receipt received by the Exchange from the Extranet's service provider or internet computer server indicating that the email was received shall be deemed proof that the Extranet received the message. If the Extranet's recipient cannot see or printout all or any portion of the messages or notices, the Extranet must contact the Exchange at (609) 897-7302.

17. Governing Law. Any action arising out of this Agreement between the Exchange and Extranet shall be governed and construed in accordance with the internal laws (and not the law of conflicts) of the State of New York. Extranet may not assign all or any part of this Agreement without the prior written consent of the Exchange. In the event of any conflict between the terms and conditions of this Agreement and any other agreement relating to Extranet's receipt and use of Information, the terms and conditions of this Agreement will prevail. If, for any reason, one or more provisions of this Agreement is held invalid, the other provisions of the Agreement shall remain in full force and effect.

18. Survival. Section 2 (Fees), Section 3 (Use of Connection), Section 4 (Monthly Reporting), Section 5 (Customers; Audit), Section 6 (Term of Agreement), Section 10 (Confidentiality), Section 12 (Limitation of Liability), Section 13 (Indemnification), any warranties and any other provisions which by their nature are intended to survive shall survive.

19. Counterparts. This Agreement may be executed in one or more counterparts, which shall each be considered an original, but all of which together shall constitute one and the same Agreement.

EXTRANET CONNECTION AGREEMENT

IN WITNESS WHEREOF, the parties have executed this Agreement as of the Effective Date.

EXTRANET

By: _____

Name

Title (must be officer)

Name of Firm

Date

**MIAMI INTERNATIONAL SECURITIES
EXCHANGE, LLC**

MIAX PEARL, LLC

By: _____

By: _____

Name

Name

Title

Title

Date

Date



MIAMI INTERNATIONAL SECURITIES EXCHANGE, LLC
MIAX PEARL, LLC

SCHEDULE A - Extranet Information Form
(submit one per Customer)

MIAX Options: New Service Request Addition/Deletion to Existing Service

MIAX PEARL: New Service Request Addition/Deletion to Existing Service

Date of Request: _____

Extranet Contact Information

Company Name: _____

Primary Contact: _____ Phone: _____

Primary Contact Email: _____

Technical Contact: _____ Phone: _____

Technical Contact Email: _____

Billing Contact: _____ Phone: _____

Billing Contact Email: _____

Compliance Contact: _____ Phone: _____

Compliance Contact Email: _____

Extranet Customer Contact Information

Company Name: _____

Primary Contact: _____ Phone: _____

Primary Contact Email: _____

Technical Contact: _____ Phone: _____

Technical Contact Email: _____

Reporting Contact: _____ Phone: _____

Reporting Contact Email: _____

Schedule A

Service Description

Certification by Extranet

This Schedule A is made between MIAX and the Extranet and is governed by the Extranet Connection Agreement entered into by MIAX and the Extranet, as well as the connectivity and other access services standard terms & conditions, as applicable from time to time and available at the following webpage: www.MIAXOptions.com.

I certify that the information provided in this form is complete and accurate and complies with all terms and conditions of the Extranet Connection Agreement with Miami International Securities Exchange, LLC ("MIAX Options") and/or MIAX PEARL, LLC ("MIAX PEARL") (individually or collectively "MIAX" or the "Exchange").

Signature: _____ Print Name: _____

Title: _____ Date: _____

Email: _____ Phone: _____

EXHIBIT M

Exhibit Request:

Provide an alphabetical list of all members, subscribers or other users, including the following information:

1. Name;
2. Date of election to membership or acceptance as a member, subscriber or other user;
3. Principal business address and telephone number;
4. If member, subscriber or other user is an individual, the name of the entity with which such individual is associated and the relationship of such individual to the entity (e.g. partner, officer, director, employee, etc.);
5. Describe the type of activities primarily engaged in by the member, subscriber, or other user (e.g. floor broker, specialist, odd lot dealer, other market maker, proprietary trader, non-broker dealer, inactive or other functions). A person shall be "primarily engaged" in an activity or function for purposes of this item when that activity or function is the one in which that person is engaged for the majority of their time. When more than one type of person at an entity engages in any of the six types of activities or functions enumerated in this item, identify each type (e.g. proprietary trader, Registered Competitive Trader and Registered Competitive Market Maker) and state the number of participants, subscribers, or other users in each; and
6. The class of membership, participation or subscription or other access.

Response:

Attached is a list of the members of the Exchange as of February 21, 2017, including the information set forth in items 1-6 above.



MEMBER FIRMS

Total Firms 35

As of 21-Feb-17

ABN AMRO CLEARING CHICAGO LLC 175 West Jackson Blvd., Ste. 400 Chicago IL 60604 Tele #: (312) 604-8000	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE
APEX CLEARING CORPORATION 350 N. St. Paul, Suite 1300 Dallas TX 75201 Tele #: (214) 765-1100	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE
BARCLAYS CAPITAL INC. 745 Seventh Avenue New York NY 10019 Tele #: (212) 526-7000	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
CITADEL SECURITIES LLC 131 South Dearborn Street Chicago IL 60603 Tele #: (312) 395-2100	Approval Date: 2/6/2017 PEARL Membership Activities: REGULAR MARKET MAKER/EEM: ORDER FLOW
CITI ORDER ROUTING AND EXECUTION, LLC 11 Ewall Street Mt. Pleasant SC 29464 Tele #: (843) 789-2080	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
COMPASS PROFESSIONAL SERVICES, LLC 111 W. Jackson Blvd., 20th Fl. Chicago IL 60604 Tele #: (312) 692-5000	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
CONVERGEX EXECUTION SOLUTIONS LLC 1633 Broadway, 48th Floor New York NY 10019 Tele #: (212) 486-7500	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
CREDIT SUISSE SECURITIES (USA) LLC 11 Madison Avenue, 3rd Floor New York NY 10010 Tele #: (212) 325-2000	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
CUTLER GROUP, LP 101 Montgomery Street, Ste. 700 San Francisco CA 94104 Tele #: (415) 293-3956	Approval Date: 2/6/2017 PEARL Membership Activities: REGULAR MARKET MAKER/EEM: ORDER FLOW
DASH FINANCIAL LLC 910 Van Buren Street, Ste. 400 Chicago IL 60607 Tele #: (847) 550-1730	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
DEUTSCHE BANK SECURITIES INC. 60 Wall Street New York NY 10005 Tele #: (212) 250-2500	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
GLOBAL EXECUTION BROKERS, LP 401 City Avenue, Ste. 200 Bala Cynwyd PA 19004 Tele #: (610) 617-2600	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW
GOLDMAN, SACHS & CO. 200 West Street New York NY 10282 Tele #: (212) 902-1000	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE
GROUP ONE TRADING LP 440 South La Salle, Ste. 3232 Chicago IL 60605 Tele #: (312) 347-8864	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: ORDER FLOW
HILLTOP SECURITIES INC. 1201 Elm Street, Ste. 3500 Dallas TX 75270 Tele #: (214) 859-1800	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH. MEMBER: CLEARANCE

IMC-CHICAGO, LLC D/B/A IMC FINANCIAL MARKETS 233 South Wacker Drive, #4300 Chicago IL 60606 Tele #: (312) 244-3300	Approval Date: 2/6/2017 PEARL Membership Activities: REGULAR MARKET MAKER
INSTINET, LLC 309 West 49th Street New York NY 10019 Tele #: (212) 310-9500	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER ORDER FLOW/CLEARANCE
INTERACTIVE BROKERS LLC One Pickwick Plaza, 2nd Fl. Greenwich CT 06830 Tele #: (203) 618-5710	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER ORDER FLOW/CLEARANCE
ITG DERIVATIVES LLC 601 S. LaSalle, Ste. 300 Chicago IL 60605 Tele #: (312) 935-0125	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER ORDER FLOW
J.P. MORGAN SECURITIES LLC 383 Madison Avenue New York NY 10179 Tele #: (201) 595-8471	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER ORDER FLOW/CLEARANCE
JEFFERIES LLC 520 Madison Avenue New York NY 10022 Tele #: (212) 284-2300	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER ORDER FLOW/CLEARANCE
KCG AMERICAS LLC 300 Vesey Street New York NY 10282 Tele #: (201) 386-2891	Approval Date: 2/6/2017 PEARL Membership Activities: REGULAR MARKET MAKER ORDER FLOW/CLEARANCE
LIME BROKERAGE LLC 625 Broadway, 12th Floor New York NY 10012 Tele #: (212) 824-5000	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER ORDER FLOW
MERRILL LYNCH PROFESSIONAL CLEARING CORP. One Bryant Park, 6th Fl. New York NY 10036 Tele #: (646) 743-1295	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER CLEARANCE
MERRILL LYNCH, PIERCE, FENNER & SMITH INCORPORATED One Bryant Park New York NY 10036 Tele #: (212) 449-1000	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER ORDER FLOW/CLEARANCE
MORGAN STANLEY & CO. LLC 1585 Broadway New York NY 10036 Tele #: (212) 761-4000	Approval Date: 2/6/2017 PEARL Membership Activities: REGULAR MARKET MAKER ORDER FLOW/CLEARANCE
OPTIVER US LLC 130 E. Randolph Street, Ste. 1300 Chicago IL 60601 Tele #: (312) 821-9500	Approval Date: 2/6/2017 PEARL Membership Activities: REGULAR MARKET MAKER
PERSHING LLC 1 Pershing Plaza, 10th Fl. Jersey City NJ 07399 Tele #: (201) 413-2000	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER ORDER FLOW/CLEARANCE
SIMPLEX TRADING, LLC 230 So. LaSalle St., Ste. 4-100 Chicago IL 60604 Tele #: (312) 360-2440	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER ORDER FLOW
UBS SECURITIES LLC 1285 Avenue of the Americas New York NY 10019 Tele #: (203) 719-3000	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER ORDER FLOW/CLEARANCE
VOLANT LIQUIDITY, LLC 250 Vesey Street, Ste. 2601 New York NY 10281 Tele #: (646) 484-3000	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER ORDER FLOW
WEDBUSH SECURITIES INC. 1000 Wilshire Boulevard, Suite 900 Los Angeles CA 90017 Tele #: (213) 688-8090	Approval Date: 2/6/2017 PEARL Membership Activities: ELECTRONIC EXCH MEMBER CLEARANCE

WELLS FARGO SECURITIES, LLC550 South Tryon Street, 6th Floor
Charlotte NC 28202 Tele #: (704) 715-6133

Approval Date: 2/6/2017

PEARL Membership Activities:
ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE

WOLVERINE EXECUTION SERVICES, LLC175 W. Jackson Blvd., Ste. 200
Chicago IL 60604 Tele #: (312) 884-4000

Approval Date: 2/6/2017

PEARL Membership Activities:
ELECTRONIC EXCH. MEMBER: ORDER FLOW/CLEARANCE

WOLVERINE TRADING, LLC175 W. Jackson Blvd., Ste. 200
Chicago IL 60604 Tele #: (312) 884-3490

Approval Date: 2/6/2017

PEARL Membership Activities:
REGULAR MARKET MAKER

For MIH Restricted and Proprietary information:

MIH Restricted – Confidential and Proprietary Information of Miami International Holdings, Inc. and its subsidiaries