



July 2, 2021

Jeannette Marshall  
Division of Trading and Markets  
Office of Market Supervision  
Securities and Exchange Commission  
100 F. Street, N.E.  
Washington, D.C. 20549

**RE: MIAX PEARL, LLC (“Pearl”)  
Amendment 2021-12 to Form 1 Application**

Dear Ms. Marshall:

Enclosed for official filing pursuant to Rule 6a-2(a) is Amendment 2021-12 to the Form 1 Application of Pearl, which includes the following changes:

- Exhibit C – Updated officers of Miami International Securities Exchange, LLC, MIAX Emerald, LLC, The Bermuda Stock Exchange and ConvexityShares, LLC; updated officers and committees for Minneapolis Grain Exchange, LLC; updated corporate documents for Miami International Technologies, LLC and MIAX Global, LLC
- Exhibit J – Updated officers

Please do not hesitate to contact me if you have any questions in connection with this matter.

Sincerely,

*Barbara J. Comly*

Barbara J. Comly  
EVP, General Counsel & Corporate Secretary

Enclosure  
cc: Marlene Olsen

7 Roszel Road, Suite 1A  
Princeton, New Jersey 08540

1450 Brickell Avenue  
Suite 1100, 11th Floor Loft  
Miami, Florida 33131

[miaxoptions.com](http://miaxoptions.com)

Form 1 Page 1 Execution Page	<b>UNITED STATES SECURITIES AND EXCHANGE COMMISSION</b> <b>WASHINGTON, D.C. 20549</b> <b>APPLICATION FOR, AND AMENDMENTS TO APPLICATION FOR,</b> <b>REGISTRATION AS A NATIONAL SECURITIES EXCHANGE OR EXEMPTION</b> <b>FROM REGISTRATION PURSUANT TO SECTION 5 OF THE EXCHANGE ACT</b>	Date filed (MM/DD/YY):  07/02/21	OFFICIAL USE ONLY
---------------------------------------	--	---	-------------------------

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 1A, 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 1A  
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):



21000528

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. § 18-101, 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: July 2, 2021

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

Subscribed and sworn before me this \_\_\_\_ day of \_\_\_\_\_, 2021.

Based upon relief from Commission Staff and difficulties arising from COVID-19, MIAX PEARL, LLC is making this filing without a notarization.

\_\_\_\_\_  
Notary Public of the State of New Jersey

**This page must always be completed in full with original, manual signature and notarization.**  
**Affix notary stamp or seal where applicable.**

## EXHIBIT C

### Exhibit Request:

For each subsidiary or affiliate of the applicant, and for any entity with whom the applicant has a contractual or other agreement relating to the operation of an electronic trading system to be used to effect transactions on the exchange (“System”), provide the following information:

1. Name and address of organization.
2. Form of organization (e.g., association, corporation, partnership, etc.).
3. Name of state and statute citation under which organized. Date of incorporation in present form.
4. Brief description of nature and extent of affiliation.
5. Brief description of business or functions. Description should include responsibilities with respect to operation of the System and/or execution, reporting, clearance, or settlement of transactions in connection with operation of the System.
6. A copy of the constitution.
7. A copy of the articles of incorporation or association including all amendments.
8. A copy of existing by-laws or corresponding rules or instruments.
9. The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions.
10. An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association.

### Response:

#### **A. MIAMI INTERNATIONAL HOLDINGS, INC.**

1. *Name:* Miami International Holdings, Inc.  
*Address:* 7 Roszel Road, Suite 1A, Princeton, New Jersey 08540
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:* Delaware, Delaware General Corporation Law (8 Del. C. § 1-101, et seq.), on November 14, 2007.
4. *Brief description of nature and extent of affiliation:* MIAX PEARL, LLC is a wholly-owned subsidiary of Miami International Holdings, Inc. (“MIH”).

5. *Brief description of business or functions:* Miami International Holdings, Inc. (“Miami Holdings”) is a holding company which holds 100% of the equity of Miami International Securities Exchange, LLC, MIAX PEARL, LLC, Miami International Technologies, LLC, MIAX Global, LLC, MIAX Emerald, LLC, MIAX Futures, LLC, MIAX Products, LLC, The Bermuda Stock Exchange, and M 402 Holdings, LLC, the sole member and owner of 100% of the equity and voting securities of Minneapolis Grain Exchange, LLC. MIAX Futures, LLC is the owner of 51% of the outstanding membership interests in ConvexityShares, LLC. Miami International Holdings, Inc. is the entity through which the ultimate owners of the applicant indirectly hold their ownership interest in the applicant and its affiliates.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Amended and Restated Certificate of Incorporation dated October 16, 2015 is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The Amended and Restated By-Laws dated June 27, 2015 are attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

**Officers of Miami International Holdings, Inc.**

The following persons are the officers of Miami International Holdings, Inc.:

Name	Title
Thomas P. Gallagher	Chairman and Chief Executive Officer
Douglas M. Schafer, Jr.	Chief Information Officer and Executive Vice President
Barbara Comly	Executive Vice President, General Counsel and Corporate Secretary
Lance Emmons	Executive Vice President and Chief Financial Officer
Edward Deitzel	Executive Vice President and Chief Regulatory Officer
Shelly Brown	Executive Vice President – Strategic Planning and Business Development
Mark Wetjen	Executive Vice President, Futures and Innovative Products and Executive Regulatory Liaison Officer
Mark G. Bagan	Executive Vice President – US Futures Strategy
Randy Foster	Senior Vice President – Business Systems Development
Harish Jayabalan	Senior Vice President – Chief Information Security Officer
Matthew Rotella	Senior Vice President – Chief Technology Officer
Joseph W. Ferraro III	Senior Vice President – Deputy General Counsel
Deborah Carroll	Senior Vice President – Associate General Counsel
Shawn Hughes	Senior Vice President – Project Management
Amy Neiley	Senior Vice President – Trading Operations and Listings

<b>Name</b>	<b>Title</b>
Paul Anders (Andy) Nybo	Senior Vice President – Chief Communications Officer
Roli Bhotika	Vice President – Head of Business Development
Rodney Hester	Vice President – Systems Infrastructure
James O’Neil	Vice President and Director of Physical Security and Safety
Vinay Rao	Vice President – Trading Systems Development
Siddharth Sahoo	Vice President – Trading Systems Development
Christopher Solgan	Vice President – Senior Counsel
Tia Toms	Vice President – Administration
Gregory Ziegler	Vice President – Senior Counsel
Charles Blades	Assistant Vice President – Controller
Dimitriy Kotov	Assistant Vice President – Associate Counsel
Michael Slade	Assistant Vice President – Associate Counsel

The officers of Miami International Holdings, Inc. serve until their successors are appointed in accordance with the By-Laws of Miami International Holdings, Inc. Officers of Miami International Holdings, Inc. serve at the direction of the Board of Directors.

**Directors of Miami International Holdings, Inc.**

The following persons are the directors of Miami International Holdings, Inc.:

<b>Name</b>
Thomas P. Gallagher (Chairman)
Talal Jassim Al-Bahar
Abdulwahab Ahmad Al-Nakib
Sayer B. Al-Sayer
Michael P. Ameen
Albert M. Barro, Jr.
John Beckelman
Barry J. Belmont
Ricardo Blach
Christopher Brady
Khaled Magdy El-Marsafy
William W. Hopkins
Thomas J. Kelly, Jr.
Paul Kotos
Mark I. Massad
Jack G. Mondel
William J. O’Brien III

Robert D. Prunetti
Mark F. Raymond
Douglas M. Schafer, Jr.
Paul V. Stahlin
J. Gray Teekell
Jassem Hassan Zainal

Directors of Miami International Holdings, Inc. serve one year terms.

**Audit Committee of Miami International Holdings, Inc.**

The following persons are members of the Audit Committee of Miami International Holdings, Inc.:

Name
Paul V. Stahlin (Chairman)
Michael P. Ameen
Khaled Magdy El-Marsafy
Robert D. Prunetti

**Compensation Committee of Miami International Holdings, Inc.**

The following persons are members of the Compensation Committee of Miami International Holdings, Inc.:

Name
Talal Jassim Al-Bahar (Chairman)
Christopher D. Brady
Thomas J. Kelly
Mark F. Raymond
J. Gray Teekell

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Not applicable.

## **B. MIAMI INTERNATIONAL SECURITIES EXCHANGE, LLC**

1. *Name:* Miami International Securities Exchange, LLC  
*Address:* 7 Roszel Road, Suite 1A, Princeton, New Jersey 08540
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Delaware, Delaware Limited Liability Company Act (6 Del. C. § 18-101, et seq.), on September 10, 2007.
4. *Brief description of nature and extent of affiliation:* Miami International Securities Exchange, LLC is wholly-owned by Miami International Holdings, Inc., which is the applicant's 100% owner.
5. *Brief description of business or functions:* Miami International Securities Exchange, LLC ("MIAX") is registered as a National Securities Exchange under Section 6 of the Securities Exchange Act of 1934, as amended. MIAX operates a fully electronic options trading platform.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Amended and Restated Certificate of Formation dated November 12, 2020 is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The Third Amended and Restated Limited Liability Company Agreement dated November 12, 2020, and Amended and Restated By-Laws dated November 12, 2020 are attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

### **Officers of Miami International Securities Exchange, LLC**

The following persons are the officers of Miami International Securities Exchange, LLC:

<b>Name</b>	<b>Title</b>
Thomas P. Gallagher	Chairman and Chief Executive Officer
Douglas M. Schafer, Jr.	Chief Information Officer and Executive Vice President
Barbara Comly	Executive Vice President, General Counsel and Corporate Secretary
Lance Emmons	Executive Vice President and Chief Financial Officer
Edward Deitzel	Executive Vice President, Chief Regulatory Officer and Chief Compliance Officer
Shelly Brown	Executive Vice President – Strategic Planning and Business Development

<b>Name</b>	<b>Title</b>
John Smollen	Executive Vice President – Head of Exchange Traded Products and Strategic Relations
Randy Foster	Senior Vice President – Business Systems Development
Harish Jayabalan	Senior Vice President – Chief Risk Officer and Chief Information Security Officer
Matthew Rotella	Senior Vice President – Chief Technology Officer
Joseph W. Ferraro III	Senior Vice President – Deputy General Counsel
Deborah Carroll	Senior Vice President, Associate General Counsel and Assistant Corporate Secretary
Joseph S. Bracco	Senior Vice President – Head of Sales
Shawn Hughes	Senior Vice President – Project Management
Amy Neiley	Senior Vice President – Trading Operations and Listings
Paul Anders (Andy) Nybo	Senior Vice President – Chief Communications Officer
Roli Bhotika	Vice President – Head of Business Development
Jonathan S. Dowd	Vice President – Business Strategy
Laurence Gardner	Vice President – Regulatory Operations
Rodney Hester	Vice President – Systems Infrastructure
Daniel Hsu	Vice President – Exchange Pricing & Business Analysis
Thomas Jarck	Vice President – Proprietary Product Development
Matthew McFarland	Vice President – Derivative Products and Business Development
Lawrence O’Leary	Vice President – Regulatory Oversight
James O’Neil	Vice President and Director of Physical Security and Safety
Vinay Rao	Vice President – Trading Systems Development
Siddharth Sahoo	Vice President – Trading Systems Development
Christopher Solgan	Vice President – Senior Counsel
Christopher Swisher	Vice President – Market Surveillance
Tia Toms	Vice President – Administration
Gregory Ziegler	Vice President – Senior Counsel
Charles Blades	Assistant Vice President – Controller
Dimitriy Kotov	Assistant Vice President – Associate Counsel
Michael Slade	Assistant Vice President – Associate Counsel

The officers of Miami International Securities Exchange, LLC serve until their successors are appointed in accordance with the By-Laws of Miami International Securities Exchange, LLC. Officers of Miami International Securities Exchange, LLC will serve at the direction of the Board of Directors.

**Directors of Miami International Securities Exchange, LLC**

The following persons are the directors and Board observers of Miami International Securities Exchange, LLC:

<b>Directors</b>
Thomas P. Gallagher
Michael P. Ameen
Lindsay L. Burbage
Robert Castrignano
Marianne Deane
John DiBacco, Jr.
David Dooman
Kurt M. Eckert
Leslie Florio
Lawrence E. Jaffe
Paul Jiganti
John A. Kinahan
William V. Looney, Jr.
John E. McCormac
Robert D. Prunetti
Joseph Sellitto
Cynthia Schwarzkopf
J. Gray Teekell
<b>Observers</b>
Sanjiv Prasad
Lawrence Tanzman

**Committees of Miami International Securities Exchange, LLC**

The standing committees of the Board and the persons appointed to sit on the standing committees are as follows:

<b>Audit Committee</b>
Robert D. Prunetti (Chair)
Michael P. Ameen
John E. McCormac

<b>Compensation Committee</b>
J. Gray Teekell (Chair)
Robert D. Prunetti
Cynthia Schwarzkopf

<b>Regulatory Oversight Committee</b>
Lindsay L. Burbage (Chair)
Leslie Florio
Lawrence E. Jaffe

<b>Appeals Committee</b>
Lawrence Jaffe (Chair)
Robert Castrignano
Kurt M. Eckert

<b>Technology Committee</b>
Leslie Florio (Chair)
Robert Castrignano
Marianne Deane
David Dooman
Kurt M. Eckert
John A. Kinahan
John E. McCormac
Cynthia Schwarzkopf
J. Gray Teekell

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Not applicable.

**C. MIAMI INTERNATIONAL TECHNOLOGIES, LLC**

- Name:* Miami International Technologies, LLC  
*Address:* 7 Roszel Road, Suite 1A, Princeton, New Jersey 08540
- Form of organization:* Limited Liability Company.
- Name of state, statute under which organized and date of incorporation:* Delaware, Delaware Limited Liability Company Act (6 Del. C. § 18-101, et seq.), on May 12, 2010.
- Brief description of nature and extent of affiliation:* Miami International Technologies, LLC ("MIAX Technologies") is wholly-owned by Miami International Holdings, Inc., which is the applicant's 100% owner.

5. *Brief description of business or functions:* MIAX Technologies engages in the sale and licensing of trading and information technology to unrelated third parties.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Amended and Restated Certificate of Formation dated June 29, 2011 is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The Second Amended and Restated Limited Liability Company Agreement dated June 25, 2021 is attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

**Officers of Miami International Technologies, LLC**

The following persons are the officers of Miami International Technologies, LLC:

Name	Title
Thomas P. Gallagher	Chairman and Chief Executive Officer
Douglas M. Schafer, Jr.	President and Chief Information Officer
Barbara Comly	Executive Vice President, General Counsel and Corporate Secretary
Lance Emmons	Executive Vice President and Chief Financial Officer
Matthew Rotella	Senior Vice President – Chief Technology Officer
Randy Foster	Senior Vice President – Business Systems Development
Deborah Carroll	Senior Vice President – Associate General Counsel
Rodney Hester	Vice President – Systems Infrastructure
Harish Jayabalan	Vice President – Technical Support and Product Specialist
James O’Neil	Vice President and Director of Physical Security and Safety
Tia Toms	Vice President – Administration
Charles Blades	Assistant Vice President – Controller

**Directors of Miami International Technologies, LLC**

The following persons are the directors of Miami International Technologies, LLC:

Name
Thomas P. Gallagher

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Not applicable.

## D. MIAX GLOBAL, LLC

1. *Name:* MIAX Global, LLC  
*Address:* 7 Roszel Road, Suite 1A, Princeton, New Jersey 08540
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Delaware, Delaware Limited Liability Act (6 Del. C. § 18-101, et seq.), on June 30, 2015.
4. *Brief description of nature and extent of affiliation:* MIAX Global, LLC (“MIAX Global”) is wholly-owned by Miami International Holdings, Inc., which is the applicant’s 100% owner.
5. *Brief description of business or functions:* MIAX Global focuses on the company’s trading, technology and other projects primarily based outside the United States.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Amended and Restated Certificate of Formation dated June 25, 2021 is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The Amended and Restated Limited Liability Company Agreement dated June 25, 2021 is attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

### **Officers of MIAX Global, LLC**

The following persons are the officers of MIAX Global, LLC:

Name	Title
Thomas P. Gallagher	Chairman and Chief Executive Officer
Barbara Comly	Executive Vice President, General Counsel and Corporate Secretary
Douglas M. Schafer, Jr.	Chief Information Officer and Executive Vice President
Lance Emmons	Executive Vice President and Chief Financial Officer
Gregory A. Wojciechowski	President

### **Directors of MIAX Global, LLC**

The following persons are the directors of MIAX Global, LLC:

Name
Thomas P. Gallagher

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Not applicable.

## **E. MIAX FUTURES, LLC**

1. *Name:* MIAX Futures, LLC  
*Address:* 7 Roszel Road, Suite 1A, Princeton, New Jersey 08540
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Delaware, Delaware Limited Liability Company Act (6 Del. C. § 18-101, et seq.), on November 30, 2007.
4. *Brief description of nature and extent of affiliation:* MIAX Futures, LLC ("MIAX Futures") is wholly-owned by Miami International Holdings, Inc., which is the applicant's 100% owner.
5. *Brief description of business or functions:* MIAX Futures is the owner of 51% of the outstanding membership interests in ConvexityShares, LLC.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Restated Certificate of Formation dated March 10, 2021 is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The Second Amended and Restated Limited Liability Company Agreement dated March 10, 2021 is attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

### **Officers of MIAX Futures, LLC**

The following persons are the officers of MIAX Futures, LLC:

<b>Name</b>	<b>Title</b>
Thomas P. Gallagher	Chairman
Mark Wetjen	Chief Executive Officer
Joseph W. Ferraro III	President
Douglas M. Schafer, Jr.	Chief Information Officer and Executive Vice President
Barbara Comly	Executive Vice President, General Counsel and Corporate Secretary
Lance Emmons	Executive Vice President and Chief Financial Officer
Randy Foster	Senior Vice President – Business Systems Development
Matthew Rotella	Senior Vice President – Chief Technology Officer

Name	Title
Thomas Jarck	Vice President – Proprietary Product Development
Matthew McFarland	Vice President – Derivative Products and Business Development

**Directors of MIAX Futures, LLC**

The following persons are the directors of MIAX Futures, LLC:

Name
Thomas P. Gallagher

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Not applicable.

**F. MIAX EMERALD, LLC**

1. *Name:* MIAX Emerald, LLC  
*Address:* 7 Roszel Road, Suite 1A, Princeton, New Jersey 08540
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Delaware, Delaware Limited Liability Act (6 Del. C. § 18-101, et seq.), on January 30, 2018.
4. *Brief description of nature and extent of affiliation:* MIAX Emerald, LLC ("MIAX Emerald") is wholly-owned by Miami International Holdings, Inc., which is the applicant's 100% owner.
5. *Brief description of business or functions:* MIAX Emerald is registered as a National Securities Exchange under Section 6 of the Securities Exchange Act of 1934, as amended. MIAX Emerald operates a fully electronic options trading platform.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Amended and Restated Certificate of Formation dated November 12, 2020 is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The Second Amended and Restated Limited Liability Company Agreement dated November 12, 2020 and Amended and Restated By-Laws dated November 12, 2020 are attached.

9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

**Officers of MIAX Emerald, LLC**

The following persons are the officers of MIAX Emerald, LLC:

<b>Name</b>	<b>Title</b>
Thomas P. Gallagher	Chairman and Chief Executive Officer
Douglas M. Schafer, Jr.	Chief Information Officer and Executive Vice President
Barbara Comly	Executive Vice President, General Counsel and Corporate Secretary
Lance Emmons	Executive Vice President and Chief Financial Officer
Edward Deitzel	Executive Vice President, Chief Regulatory Officer and Chief Compliance Officer
Shelly Brown	Executive Vice President – Strategic Planning and Business Development
John Smollen	Executive Vice President – Head of Exchange Traded Products and Strategic Relations
Randy Foster	Senior Vice President – Business Systems Development
Harish Jayabalan	Senior Vice President – Chief Risk Officer & Chief Information Security Officer
Matthew Rotella	Senior Vice President – Chief Technology Officer
Joseph W. Ferraro III	Senior Vice President – Deputy General Counsel
Deborah Carroll	Senior Vice President, Associate General Counsel and Assistant Corporate Secretary
Joseph S. Bracco	Senior Vice President – Head of Sales
Shawn Hughes	Senior Vice President – Project Management
Amy Neiley	Senior Vice President – Trading Operations and Listings
Paul Anders (Andy) Nybo	Senior Vice President – Chief Communications Officer
Roli Bhotika	Vice President – Head of Business Development
Jonathan S. Dowd	Vice President – Business Strategy
Laurence Gardner	Vice President – Regulatory Operations
Rodney Hester	Vice President – Systems Infrastructure
Daniel Hsu	Vice President – Exchange Pricing & Business Analysis
Thomas Jarck	Vice President – Proprietary Product Development
Matthew McFarland	Vice President – Derivative Products and Business Development
Lawrence O’Leary	Vice President – Regulatory Oversight
James O’Neil	Vice President and Director of Physical Security and Safety
Vinay Rao	Vice President – Trading Systems Development
Siddharth Sahoo	Vice President – Trading Systems Development

<b>Name</b>	<b>Title</b>
Christopher Solgan	Vice President – Senior Counsel
Christopher Swisher	Vice President – Market Surveillance
Tia Toms	Vice President – Administration
Gregory Ziegler	Vice President – Senior Counsel
Charles Blades	Assistant Vice President – Controller
Dimitriy Kotov	Assistant Vice President – Associate Counsel
Michael Slade	Assistant Vice President – Associate Counsel

The officers of MIAX Emerald, LLC serve until their successors are appointed in accordance with the By-Laws of MIAX Emerald, LLC. Officers of MIAX Emerald, LLC will serve at the direction of the Board of Directors.

**Directors of MIAX Emerald, LLC**

The following persons are the directors of MIAX Emerald, LLC:

<b>Name</b>
Thomas P. Gallagher
Lindsay L. Burbage
Marianne Deane
Kurt M. Eckert
David S. Fleming
Leslie Florio
Michael Golding
Kimberly M. Guadagno
Richard Herr
Paul Jiganti
Michael Juneman
Joseph M. Kyrillos Jr.
John E. McCormac
Robert D. Prunetti

**Committees of MIAX Emerald, LLC**

The standing committees of the Board and the persons appointed to sit on the standing committees are as follows:

<b>Audit Committee</b>
Robert D. Prunetti (Chair)
Joseph M. Kyrillos Jr.
John E. McCormac

<b>Compensation Committee</b>
Robert D. Prunetti (Chair)
Marianne Deane
Joseph M. Kyrillos Jr.

<b>Regulatory Oversight Committee</b>
Lindsay L. Burbage (Chair)
Leslie Florio
Kimberly M. Guadagno

<b>Appeals Committee</b>
Marianne Deane (Chair)
Kurt M. Eckert
Paul Jiganti

<b>Technology Committee</b>
Leslie Florio (Chair)
Marianne Deane
John E. McCormac

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Not applicable.

## **G. MIAX PRODUCTS, LLC**

1. *Name:* MIAX Products, LLC  
*Address:* 7 Roszel Road, Suite 1A, Princeton, New Jersey 08540
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Illinois, Illinois Limited Liability Company Act, 805 ILCS 180/, on January 25, 2019.
4. *Brief description of nature and extent of affiliation:* MIAX Products, LLC ("MIAX Products") is wholly-owned by Miami International Holdings, Inc., which is the applicant's 100% owner.
5. *Brief description of business or functions:* Development of financial products.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Articles of Organization dated January 25, 2019 are attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The Limited Liability Company Agreement dated January 25, 2019 is attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

### **Officers of MIAX Products, LLC**

The following persons are the officers of MIAX Products, LLC:

<b>Name</b>	<b>Title</b>
Thomas P. Gallagher	Chairman and Chief Executive Officer
Barbara Comly	Executive Vice President, General Counsel and Corporate Secretary
Douglas M. Schafer, Jr.	Chief Information Officer and Executive Vice President

### **Directors of MIAX Products, LLC**

The following persons are the directors of MIAX Products, LLC:

<b>Name</b>
Thomas P. Gallagher

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Not applicable.

## H. M 44 HOLDINGS, LLC

1. *Name:* M 44 Holdings, LLC  
*Address:* 7 Roszel Road, Suite 1A, Princeton, New Jersey 08540
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Delaware, Delaware Limited Liability Act (6 Del. C. § 18-101, et seq.), on June 21, 2019.
4. *Brief description of nature and extent of affiliation:* M 44 Holdings, LLC ("M 44") was wholly-owned by Miami International Holdings, Inc. until March 30, 2021.
5. *Brief description of business or functions:* M 44 was a holding company for certain investments.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Certificate of Formation dated June 21, 2019 is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The Limited Liability Company Agreement dated June 26, 2019 is attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

### **Officers of M 44 Holdings, LLC**

The following persons were the officers of M 44 Holdings, LLC until March 30, 2021:

Name	Title
Thomas P. Gallagher	Chairman & Chief Executive Officer
Barbara Comly	Executive Vice President, General Counsel & Corporate Secretary
Douglas M. Shafer, Jr.	Executive Vice President & Chief Information Officer

### **Directors of M 44 Holdings, LLC**

The following persons were the directors of M 44 Holdings, LLC until March 30, 2021:

Name
Thomas P. Gallagher

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Yes – M 44 ceased business on March 30, 2021 when a Certificate of Cancellation was filed in the State of Delaware.

## I. THE BERMUDA STOCK EXCHANGE

1. *Name:* The Bermuda Stock Exchange  
*Address:* 30 Victoria Street, 3F, Hamilton, Bermuda
2. *Form of organization:* A body corporate incorporated pursuant to The Bermuda Stock Exchange Act 1992.
3. *Name of state, statute under which organized and date of incorporation:* Bermuda, The Bermuda Stock Exchange Company Act 1992, on March 10, 1993.
4. *Brief description of nature and extent of affiliation:* Miami International Holdings, Inc., which is the applicant's 100% owner, is the owner of 100% of the outstanding shares of The Bermuda Stock Exchange ("BSX").
5. *Brief description of business or functions:* Stock Exchange located in Hamilton, Bermuda.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Memorandum of Association dated March 10, 1993, is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The Bye-Laws dated August 24, 2001, are attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

### **Officers of The Bermuda Stock Exchange**

The following persons are the officers of The Bermuda Stock Exchange:

<b>Name</b>	<b>Title</b>
Gregory A. Wojciechowski	President & Chief Executive Officer
Gregory A. Wojciechowski	Secretary
James McKirdy	Chief Compliance Officer
Jacintha Pogson-Hughes	Chief Administration Officer

### **Council (Directors) of The Bermuda Stock Exchange**

The following persons are the council of The Bermuda Stock Exchange:

<b>Council</b>
Thomas P. Gallagher (Chairman)
David Brown (Deputy Chairman)
Jeff Conyers
Caroline Kennedy

Mark Massad
Michael Neff
Eric Sites
Murray Stahl
John Wight
Gregory A. Wojciechowski

**Committees of The Bermuda Stock Exchange**

<b>Business Development Committee</b>
Eric Sites
Jeff Conyers
Michael Neff
Gregory A. Wojciechowski

<b>Compensation Committee</b>
Thomas P. Gallagher
David Brown
Jeff Conyers
Michael Neff

<b>Executive Management Committee</b>
Thomas P. Gallagher
David Brown
Jeff Conyers
Michael Neff

<b>Listing Committee</b>
Dudley Cottingham
Sharon Beesley
Miguel DaPonte
Susan Monkman
Marco Montarsolo
Gregory A. Wojciechowski

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:*  
Not applicable.

## **J. BSD NOMINEE LIMITED**

1. *Name:* BSD Nominee Limited  
*Address:* 30 Victoria Street, 3F, Hamilton, Bermuda
2. *Form of organization:* A body corporate incorporated pursuant to Bermuda, The Companies Act 1981.
3. *Name of state, statute under which organized and date of incorporation:* Organized in Bermuda under The Companies Act 1981 on October 24, 2001. Registered in Bermuda under Section 14 of The Companies Act 1981 on November 1, 2001.
4. *Brief description of nature and extent of affiliation:* Miami International Holdings, Inc., which is the applicant's 100% owner, is the owner of 100% of the outstanding shares of The Bermuda Stock Exchange ("BSX"). BSX is the owner of 100% of the outstanding shares of BSD Nominee Limited.
5. *Brief description of business or functions:* To be the legal owner of shares held for the benefit of account holders of the Bermuda Securities Depository of BSX and to provide nominee services in relation to such shares.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Memorandum of Association dated October 24, 2001, and related documents is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* Not applicable.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

### **Council (Directors) of BSD Nominee Limited**

The following persons are the council of BSD Nominee Limited:

<b>Council</b>
Gregory A. Wojciechowski
James McKirdy

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Not applicable.

**K. M 401 CORPORATION**

1. *Name:* M 401 Corporation  
*Address:* 7 Roszel Road, Suite 1A, Princeton, New Jersey 08540
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:* Delaware, Delaware General Corporation Law (8 Del. C. § 1-101, et seq.), on June 25, 2020.
4. *Brief description of nature and extent of affiliation:* M 401 Corporation ("M 401") was wholly-owned by Miami International Holdings, Inc., which was the applicant's 100% owner until December 4, 2020.
5. *Brief description of business or functions:* M 401 was a holding company for certain investments.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Certificate of Incorporation is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The By-Laws are attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

**Officers of M 401 Corporation**

The following persons were the officers of M 401 Corporation until December 4, 2020:

<b>Name</b>	<b>Title</b>
Thomas P. Gallagher	Chairman and Chief Executive Officer
Barbara Comly	Executive Vice President, General Counsel and Corporate Secretary
Lance Emmons	Executive Vice President and Chief Financial Officer

**Directors of M 401 Corporation**

The following persons were the directors of M 401 Corporation until December 4, 2020:

<b>Name</b>
Thomas P. Gallagher

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Yes – M 401 ceased business on December 4, 2020 when M 401 merged with and into MGEX Holdings, Inc. ("MGEX Holdings"), a Delaware corporation associated

with MGEX. MGEX Holdings thereafter merged with and into M 402 Holdings, LLC with M 402 Holdings, LLC surviving the merger.

**L. M 402 HOLDINGS, LLC**

1. *Name:* M 402 Holdings, LLC  
*Address:* 7 Roszel Road, Suite 1A, Princeton, New Jersey 08540
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Delaware, Delaware Limited Liability Act (6 Del. C. § 18-101, et seq.), on June 27, 2020.
4. *Brief description of nature and extent of affiliation:* M 402 Holdings, LLC ("M 402") is wholly-owned by Miami International Holdings, Inc., which is the applicant's 100% owner. Minneapolis Grain Exchange, LLC ("MGEX") is a wholly-owned subsidiary of M 402.
5. *Brief description of business or functions:* M 402 is a holding company for the equity and voting securities of MGEX.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Certificate of Formation is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The Limited Liability Company Agreement and By-Laws are attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

**Officers of M 402 Holdings, LLC**

The following persons are the officers of M 402 Holdings, LLC:

<b>Name</b>	<b>Title</b>
Thomas P. Gallagher	Chairman and Chief Executive Officer
Barbara Comly	Executive Vice President, General Counsel and Corporate Secretary
Lance Emmons	Executive Vice President and Chief Financial Officer

**Directors of M 402 Holdings, LLC**

The following persons are the directors of M 402 Holdings, LLC:

<b>Name</b>
Thomas P. Gallagher

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Not applicable.

**M. MINNEAPOLIS GRAIN EXCHANGE, LLC**

1. *Name:* Minneapolis Grain Exchange, LLC  
*Address:* 400 S 4th St, Minneapolis, MN 55415
2. *Form of organization:* Limited Liability Corporation.
3. *Name of state, statute under which organized and date of incorporation:* Delaware, Delaware Limited Liability Company Act (6 Del. C. § 18-101, et seq.), on December 4, 2020.
4. *Brief description of nature and extent of affiliation:* Miami International Holdings, Inc. is the sole member and owner of M 402 Holdings, LLC, which in turn is the sole member and owner of 100% of the equity and voting securities of Minneapolis Grain Exchange, LLC (“MGEX”).
5. *Brief description of business or functions:* MGEX is a designated contract market and derivatives clearing organization that operates under the regulatory oversight of the Commodity Futures Trading Commission pursuant to Section 5 of the Commodity Exchange Act 7 U.S.C. §7. MGEX is also registered as a national securities exchange under Section 6(g) of Securities Exchange Act.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Certificate of Formation dated December 4, 2020 is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The Limited Liability Company Agreement dated December 4, 2020 and Bylaws dated December 4, 2020 are attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

**Officers of Minneapolis Grain Exchange, LLC.**

The following persons are the officers of Minneapolis Grain Exchange, LLC:

<b>Name</b>	<b>Title</b>
Mark G. Bagan	President & Chief Executive Officer
Layne G. Carlson	Treasurer, Secretary, Chief Compliance Officer & Chief Regulatory Officer
Jesse Marie B. Green	Chief of Staff & Assistant Secretary
James D. Facente, Jr.	Director & Chief Risk Officer – Market Operations, Clearing & IT

**Directors of Minneapolis Grain Exchange, LLC**

The following persons are the directors of Minneapolis Grain Exchange, LLC:

<b>Name</b>
Thomas P. Gallagher
De'Ana H. Dow
Michael V. Dunn
Steve Fanady
Bradley Griffith
Christopher T. Matzdorf
Kerry L. Melius
Murray Stahl

***Standing Committees of Minneapolis Grain Exchange, LLC***

<b>Executive Committee</b>
Thomas P. Gallagher , Chairperson
Kerry L. Melius, First Vice Chairperson
Steve Fanady, Second Vice Chairperson
Bradley Griffith
Murray Stahl

<b>Audit Committee</b>
Thomas P. Gallagher, Chairperson
Mark G. Bagan
De'Ana H. Dow
Michael V. Dunn
Bradley Griffith

<b>Nominations Committee</b>
Bradley Griffith, Chairperson
De'Ana H. Dow
Michael V. Dunn
Thomas P. Gallagher
Christopher T. Matzdorf

<b>Regulatory Oversight Committee</b>
Steve Fanady, Chairperson
De'Ana H. Dow
Michael V. Dunn

<b>Risk Management Committee</b>
Bradley Griffith, Chairperson
De'Ana H. Dow
Steve Fanady

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Not applicable.

**N. CONVEXITYSHARES, LLC**

1. *Name:* ConvexityShares, LLC  
*Address:* 7 Roszel Road, Suite 1A, Princeton, NJ 08540
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Delaware, Delaware Limited Liability Act (6 Del. C. § 18-101, et seq.), on December 3, 2020.
4. *Brief description of nature and extent of affiliation:* MIAX Futures, LLC, which is wholly-owned by Miami International Holdings, Inc., the applicant's 100% owner, is the owner of 51% of the outstanding membership interests of ConvexityShares, LLC.
5. *Brief description of business or functions:* Sponsor of certain exchange-traded products.
6. *A copy of the constitution:* Not applicable.
7. *A copy of the articles of incorporation or association including all amendments:* The Certificate of Formation dated December 3, 2020 is attached.
8. *A copy of existing by-laws or corresponding rules or instruments:* The First Amendment to Limited Liability Company Operating Agreement dated March 10, 2021 is attached.
9. *The name and title of the present officers, governors, members of all standing committees, or persons performing similar functions:*

**Managers of ConvexityShares, LLC**

The following are the managers of ConvexityShares, LLC:

<b>Name</b>
MIAX Futures, LLC
T3i US Holdings Inc.

**Officers of ConvexityShares, LLC**

The following persons are the officers of ConvexityShares, LLC:

Name	Title
John Zhu	President, Chief Executive Officer & Chief Compliance Officer
Melinda Ho	Treasurer, Chief Financial Officer & Secretary
Charles Blades	Controller

10. *An indication of whether such business or organization ceased to be associated with the applicant during the previous year, and a brief statement of the reasons for termination of the association:* Not applicable.

**SECOND AMENDED AND RESTATED  
LIMITED LIABILITY COMPANY AGREEMENT  
OF  
MIAMI INTERNATIONAL TECHNOLOGIES, LLC**

Miami International Holdings, Inc., a Delaware corporation, the sole member (the “Member”) of Miami International Technologies, LLC, a Delaware limited liability company (the “Company”), pursuant to and in accordance with the Delaware Limited Liability Company Act, 6 Del.C. § 18-101, et seq. (the “Act”), hereby declares the following to be the Second Amended and Restated Limited Liability Company Agreement (the “Agreement”) of the Company which amends and restates in its entirety the First Amended and Restated Limited Liability Company Agreement dated May 20, 2011 of the Company.

**Section 1. Formation.** The Company has been formed as a limited liability company under the Act by the filing of a Certificate of Formation with the Office of the Secretary of State of the State of Delaware. The Member agrees to be bound by and comply with the provisions thereof and hereof.

**Section 2. Name.** The name of the limited liability company shall be “Miami International Technologies, LLC”, or such other name as the Member may from time to time hereafter designate.

**Section 3. Definitions.** Capitalized terms not otherwise defined herein shall have the meanings set forth therefor in Section 18-101 of the Act.

**Section 4. Purpose.** The Company is formed for the purpose of engaging in any lawful business permitted by the Act or the laws of any jurisdiction in which the Company may do business. The Company shall have the power to engage in all activities and transactions which the Member deems necessary or advisable in connection with the foregoing.

**Section 5. Offices.** The principal place of business and office of the Company shall be located at, and the Company’s business shall be conducted from, such place or places as the Member may designate from time to time.

The registered office of the Company in the State of Delaware shall be located at c/o Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801. The name and address of the registered agent of the Company for service of process on the Company in the State of Delaware shall be The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, Delaware 19801.

**Section 6. Member.** Miami International Holdings, Inc. is the sole Member of the Company holding 100% of the membership interests of the Company. The mailing address of the Member is 7 Roszel Road, Suite 1A, Princeton, New Jersey 08540.

**Section 7. Term.** The term of the Company shall commence on the date of filing of the certificate of formation of the Company in accordance with the Act and shall continue until the Company is dissolved and its affairs are wound up in accordance with Section 17 of this Agreement and a certificate of cancellation is filed in accordance with the Act.

**Section 8. Board of Directors; Delegation of Authority and Duties.**

(a) Member and Board of Directors. The Member, acting through the Board (defined below), shall manage and control the business and affairs of the Company, and shall possess all rights and powers as provided in the Act and otherwise by law. Except as otherwise expressly provided for herein, the Member hereby consents to the exercise by the Board of all such powers and rights conferred on them by the Act with respect to the management and control of the Company. Notwithstanding the foregoing and except as explicitly set forth in this Agreement, if a vote, consent or approval of the Member is required by the Act or other applicable law with respect to any act to be taken by the Company or matter considered by the Board, the Member agrees that it shall be deemed to have consented to or approved such act or voted on such matter in accordance with a vote of the Board on such act or matter.

(b) Delegation by Board. The Board shall have the power and authority to delegate to one or more other persons the Board's rights and powers to manage and control the business and affairs of the Company, including to delegate to agents and employees of the Member, a Director (as defined below) or the Company (including Officers), and to delegate by a management agreement or another agreement with, or otherwise to, other persons. The Board may authorize any person (including, without limitation, the Member or any Officer or Director) to enter into and perform under any document on behalf of the Company.

(c) Committees. The Board may, from time to time, designate one or more committees, each of which shall be comprised of at least two Directors. Any such committee, to the extent provided in the enabling resolution and until dissolved by the Board, shall have and may exercise any or all of the authority of the Board. At every meeting of any such committee, the presence of a majority of all the representatives thereof shall constitute a quorum, and the affirmative vote of a majority of the representatives present shall be necessary for the adoption of any resolution. The Board may dissolve any committee at any time, unless otherwise provided in this Agreement.

**Section 9. Establishment of Board of Directors.**

(a) Directors. There shall be established a Board of Directors (the "Board") composed of not less than (1) and no more than fifteen (15) persons as determined from time to time by the Member ("Directors"), each of whom shall be elected by the Member. Any Director may be removed from the Board at any time by the Member. Each Director shall remain in office until his or her death, resignation or removal. In the event of death, resignation or removal of a Director, the party or parties, as applicable, which appointed such Director shall fill the vacancy created. Notwithstanding anything in this Agreement to the contrary, Directors shall not be deemed to be "members" or "managers" (as such terms are defined in the Act) of the Company.

(b) No Individual Authority. No Director has the authority or power to act for or on behalf of the Company, to do any act that would be binding on the Company or to make any expenditures or incur any obligations on behalf of the Company or authorize any of the foregoing, other than acts that are authorized by the Board.

(c) Chairman. The Board shall designate a Director to serve as chairman. The chairman shall, unless a majority of Directors present determine otherwise, preside at all meetings of the Board. If the chairman is absent at any meeting of the Board, a majority of the Directors present shall designate another Director to serve as interim chairman for that meeting.

**Section 10. Officers**. The Member may, from time to time as it deems advisable, designate natural persons as officers of the Company (the “Officers”) or successor Officers of the Company and assign titles to any such person. Unless the Member decides otherwise, if the title is one commonly used for officers of a business corporation formed under the Delaware General Corporation Law, the assignment of such title shall constitute the delegation to such person of the authorities and duties that are normally associated with that office. Any delegation pursuant to this Section 8 may be revoked at any time by the Member. An Officer may be removed with or without cause at any time by the Member.

**Section 11. Advisory Board**. The Member may appoint any person or persons to act in an advisory capacity to the Company. Such a group shall be known as the Advisory Board.

**Section 12. Capital Contributions**. The Member shall make capital contributions to the Company from time to time, which amounts shall be set forth in the books and records of the Company.

**Section 13. Transfers of Member Interest**. The Member may sell, assign, pledge or otherwise transfer or encumber (collectively, a “Transfer”) any of its Limited Liability Company Interest in the Company to any Person so long as such Transfer is in writing.

**Section 14. Resignation**. The Member shall have the right to resign from the Company so long as such resignation is in writing. The provisions hereof with respect to distributions upon resignation are exclusive and no Member shall be entitled to claim any further or different distribution upon resignation under Section 18-604 of the Act or otherwise.

**Section 15. Allocations and Distributions**. Distributions of cash or other assets of the Company shall be made at such times and in such amounts as the Member may determine. Distributions shall be made to (and profits and losses of the Company shall be allocated among) the Member.

**Section 16. Return of Capital**. The Member has the right to receive any distributions which include a return of all or any part of such Member’s capital contribution, provided that upon the dissolution and winding up of the Company, the assets of the Company shall be distributed as provided in Section 18-804 of the Act.

**Section 17. Dissolution.** The Company shall be dissolved and its affairs wound up upon the occurrence of an event causing a dissolution of the Company under Section 18-801 of the Act, except the Company shall not be dissolved upon the occurrence of an event that terminates the continued membership of a Member if (i) at the time of the occurrence of such event there are at least two Members of the Company, or (ii) within ninety (90) days after the occurrence of such event, all remaining Members agree in writing to continue the business of the Company and to the appointment, effective as of the date of such event, of one or more additional Members. In the event of dissolution, the Company shall conduct only such activities as are necessary to wind up its affairs (including the sale of the assets of the Company in an orderly manner), and the assets of the Company shall be applied in the manner, and in the order of priority set forth in Section 18-804 of the Act.

**Section 18. Amendments.** This Agreement may be amended only upon the written consent of the Member.

**Section 19. Other Business.** The Member may engage in or possess an interest in other business ventures of every kind and description, independently or with others. The Company shall not have any rights in or to such independent ventures or the income or profits therefrom by virtue of this Agreement.

**Section 20. Limited Liability.** The Member shall not have any liability for the debts, obligations or liabilities of the Company except to the extent provided by the Act.

**Section 21. Exculpation; Indemnification.** Neither the Member, the Officers nor any of their respective affiliates or agents (collectively, "Covered Persons") shall be liable to the Company or any other person or entity who has an interest in the Company for any loss, damage or claim incurred by reason of any act or omission performed or omitted by such Covered Person in good faith on behalf of the Company and in a manner reasonably believed to be within the scope of the authority conferred on such Member or Officer, as applicable, by this Agreement. To the fullest extent permitted by applicable law, each Covered Person shall be entitled to indemnification from the Company for any loss, damage or claim incurred by such Covered Person by reason of any act or omission performed or omitted by such Covered Person in good faith on behalf of the Company and in a manner reasonably believed to be within the scope of the authority conferred on such Member or Officer, as applicable, by this Agreement; provided, however, that any indemnity under this Section 21 shall be provided out of and to the extent of Company assets only, and neither the Member nor the Officer, as applicable, nor any other Covered Person, shall have personal liability on account thereof.

**Section 22. Banking Matters.** The Member and each Officer and any agent or employee of the Company, or other person designated by such Member or Officer is hereby authorized and empowered (A) to (i) establish one or more domestic or international accounts (including but not limited to, depository, checking, disbursement, custodian, or investment accounts, and other accounts as deemed necessary or expeditious for business purposes of the Company) ("Accounts"), in the name of the Company with any bank, trust company, savings and loan institution, brokerage firm or other financial institution which said Member or Officer shall from time to time designate as a depository of funds, securities or other property of the Company,

for any purpose and on terms and conditions deemed appropriate by such person on behalf of the Company; and (ii) close Accounts of the Company now or hereafter established; and (B) to assign, limit or revoke any and all authority of any agent or employee of the Company, or other person designated by such Member or Officer to (i) sign checks, drafts and orders for the payment of money drawn on the Company's Accounts, and all notes of the Company and all acceptances and endorsements of the Company; (ii) execute or initiate electronic fund transfers; (iii) execute or initiate foreign currency exchange transactions; (iv) execute or initiate the investment of monies; and (v) initiate requests for information for any Account of the Company.

**Section 23. Amendment.** This Agreement may only be amended by a writing duly signed by the Member.

**Section 24. Governing Law.** This Agreement shall be governed by, and construed under, the laws of the State of Delaware, without regard to conflict of law rules.

IN WITNESS WHEREOF, the undersigned has duly executed this Agreement as of the 25<sup>th</sup> day of June, 2021.

**MIAMI INTERNATIONAL HOLDINGS, INC.**

By: /s/ Thomas P. Gallagher  
Thomas P. Gallagher  
Chairman and Chief Executive Officer

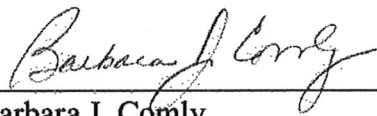
**AMENDED AND RESTATED**  
**CERTIFICATE OF FORMATION**  
**OF**  
**MIAX GLOBAL, LLC**

This filing has been executed and filed in accordance with Section 18-208 of the Limited Liability Company Act. This document is being executed for the purpose of amending and restating the original Certificate of Formation, filed on June 30, 2015, under file number: 5776534.

1. The name of the limited liability company is **MIAX Global, LLC** (the "Company").
2. The address of the registered office of the Company in the State of Delaware is 1209 Orange Street in the City of Wilmington, County of New Castle, Zip Code 19801, and the name of the registered agent at such address for service of process is The Corporation Trust Company.
3. This Certificate shall be effective upon filing.
4. The duration of this limited liability company will be perpetual.

**IN WITNESS WHEREOF**, the undersigned, an authorized person, has signed this certificate this 25<sup>th</sup> day of June, 2021.

**MIAX GLOBAL, LLC**

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

**AMENDED AND RESTATED  
LIMITED LIABILITY COMPANY AGREEMENT  
OF  
MIAX GLOBAL, LLC**

Miami International Holdings, Inc., a Delaware corporation, the sole member (the “Member”) of MIAX Global, LLC, a Delaware limited liability company (the “Company”), pursuant to and in accordance with the Delaware Limited Liability Company Act, 6 Del.C. § 18-101, et seq. (the “Act”), hereby declares the following to be the Amended and Restated Limited Liability Company Agreement (the “Agreement”) of the Company which amends and restates in its entirety the Limited Liability Company Agreement dated June 30, 2015 of the Company.

1. **Formation.** The Company has been formed as a limited liability company under the Act by the filing of a Certificate of Formation with the Office of the Secretary of State of the State of Delaware. The Member agrees to be bound by and comply with the provisions thereof and hereof.

2. **Name.** The name of the limited liability company shall be “**MIAX Global, LLC**”, or such other name as the Member may from time to time hereafter designate.

3. **Definitions.** Capitalized terms not otherwise defined herein shall have the meanings set forth therefor in Section 18-101 of the Act.

4. **Purpose.** The Company is formed for the purpose of engaging in any lawful business permitted by the Act or the laws of any jurisdiction in which the Company may do business. The Company shall have the power to engage in all activities and transactions which the Member deems necessary or advisable in connection with the foregoing.

5. **Offices.** The principal place of business and office of the Company shall be located at, and the Company’s business shall be conducted from, such place or places as the Member may designate from time to time.

The registered office of the Company in the State of Delaware shall be located at c/o The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, DE 19801. The name and address of the registered agent of the Company for service of process on the Company in the State of Delaware shall The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, DE 19801.

6. **Member.** Miami International Holdings, Inc. is the sole Member of the Company holding 100% of the membership interests of the Company. The mailing address of the Member is 7 Roszel Road, Suite 1A, Princeton, NJ 08504.

7. **Term.** The term of the Company shall commence on the date of filing of the certificate of formation of the Company in accordance with the Act and shall continue until the

Company is dissolved and its affairs are wound up in accordance with Section 17 of this Agreement and a certificate of cancellation is filed in accordance with the Act.

8. **Board of Directors; Delegation of Authority and Duties.**

(a) Member and Board of Directors. The Member, acting through the Board (defined below), shall manage and control the business and affairs of the Company, and shall possess all rights and powers as provided in the Act and otherwise by law. Except as otherwise expressly provided for herein, the Member hereby consents to the exercise by the Board of all such powers and rights conferred on them by the Act with respect to the management and control of the Company. Notwithstanding the foregoing and except as explicitly set forth in this Agreement, if a vote, consent or approval of the Member is required by the Act or other applicable law with respect to any act to be taken by the Company or matter considered by the Board, the Member agrees that it shall be deemed to have consented to or approved such act or voted on such matter in accordance with a vote of the Board on such act or matter.

(b) Delegation by Board. The Board shall have the power and authority to delegate to one or more other persons the Board's rights and powers to manage and control the business and affairs of the Company, including to delegate to agents and employees of the Member, a Director (as defined below) or the Company (including Officers), and to delegate by a management agreement or another agreement with, or otherwise to, other persons. The Board may authorize any person (including, without limitation, the Member or any Officer or Director) to enter into and perform under any document on behalf of the Company.

(c) Committees. The Board may, from time to time, designate one or more committees, each of which shall be comprised of at least two Directors. Any such committee, to the extent provided in the enabling resolution and until dissolved by the Board, shall have and may exercise any or all of the authority of the Board. At every meeting of any such committee, the presence of a majority of all the representatives thereof shall constitute a quorum, and the affirmative vote of a majority of the representatives present shall be necessary for the adoption of any resolution. The Board may dissolve any committee at any time, unless otherwise provided in this Agreement.

9. **Establishment of Board of Directors.**

(a) Directors. There shall be established a Board of Directors (the "Board") composed of not less than (1) and no more than twenty-one (21) persons as determined from time to time by the Member ("Directors"), each of whom shall be elected by the Member. Any Director may be removed from the Board at any time by the Member. Each Director shall remain in office until his or her death, resignation or removal. In the event of death, resignation or removal of a Director, the party or parties, as applicable, which appointed such Director shall fill the vacancy created. Notwithstanding anything in this Agreement to the contrary, Directors shall not be deemed to be "members" or "managers" (as such terms are defined in the Act) of the Company.

(b) No Individual Authority. No Director has the authority or power to act for or on behalf of the Company, to do any act that would be binding on the Company or to make any

expenditures or incur any obligations on behalf of the Company or authorize any of the foregoing, other than acts that are authorized by the Board.

(c) **Chairman**. The Board shall designate a Director to serve as chairman. The chairman shall, unless a majority of Directors present determine otherwise, preside at all meetings of the Board. If the chairman is absent at any meeting of the Board, a majority of the Directors present shall designate another Director to serve as interim chairman for that meeting.

10. **Officers**. The Member may, from time to time as it deems advisable, designate natural persons as officers of the Company (the “Officers”) or successor Officers of the Company and assign titles to any such person. Unless the Member decides otherwise, if the title is one commonly used for officers of a business corporation formed under the Delaware General Corporation Law, the assignment of such title shall constitute the delegation to such person of the authorities and duties that are normally associated with that office. Any delegation pursuant to this Section 8 may be revoked at any time by the Member. An Officer may be removed with or without cause at any time by the Member.

11. **Advisory Board**. The Member may appoint any person or persons to act in an advisory capacity to the Company. Such a group shall be known as the Advisory Board.

12. **Capital Contributions**. The Member shall make capital contributions to the Company from time to time, which amounts shall be set forth in the books and records of the Company.

13. **Transfers of Member Interest**. The Member may sell, assign, pledge or otherwise transfer or encumber (collectively, a “Transfer”) any of its Limited Liability Company Interest in the Company to any Person so long as such Transfer is in writing.

14. **Resignation**. The Member shall have the right to resign from the Company so long as such resignation is in writing. The provisions hereof with respect to distributions upon resignation are exclusive and no Member shall be entitled to claim any further or different distribution upon resignation under Section 18-604 of the Act or otherwise.

15. **Allocations and Distributions**. Distributions of cash or other assets of the Company shall be made at such times and in such amounts as the Member may determine. Distributions shall be made to (and profits and losses of the Company shall be allocated among) the Member.

16. **Return of Capital**. The Member has the right to receive any distributions which include a return of all or any part of such Member’s capital contribution, provided that upon the dissolution and winding up of the Company, the assets of the Company shall be distributed as provided in Section 18-804 of the Act.

17. **Dissolution**. The Company shall be dissolved and its affairs wound up upon the occurrence of an event causing a dissolution of the Company under Section 18-801 of the Act, except the Company shall not be dissolved upon the occurrence of an event that terminates the

continued membership of a Member if (i) at the time of the occurrence of such event there are at least two Members of the Company, or (ii) within ninety (90) days after the occurrence of such event, all remaining Members agree in writing to continue the business of the Company and to the appointment, effective as of the date of such event, of one or more additional Members. In the event of dissolution, the Company shall conduct only such activities as are necessary to wind up its affairs (including the sale of the assets of the Company in an orderly manner), and the assets of the Company shall be applied in the manner, and in the order of priority set forth in Section 18-804 of the Act.

18. **Amendments.** This Agreement may be amended only upon the written consent of the Member.

19. **Other Business.** The Member may engage in or possess an interest in other business ventures of every kind and description, independently or with others. The Company shall not have any rights in or to such independent ventures or the income or profits therefrom by virtue of this Agreement.

20. **Limited Liability.** The Member shall not have any liability for the debts, obligations or liabilities of the Company except to the extent provided by the Act.

21. **Exculpation; Indemnification.** Neither the Member, the Officers nor any of their respective affiliates or agents (collectively, “Covered Persons”) shall be liable to the Company or any other person or entity who has an interest in the Company for any loss, damage or claim incurred by reason of any act or omission performed or omitted by such Covered Person in good faith on behalf of the Company and in a manner reasonably believed to be within the scope of the authority conferred on such Member or Officer, as applicable, by this Agreement. To the fullest extent permitted by applicable law, each Covered Person shall be entitled to indemnification from the Company for any loss, damage or claim incurred by such Covered Person by reason of any act or omission performed or omitted by such Covered Person in good faith on behalf of the Company and in a manner reasonably believed to be within the scope of the authority conferred on such Member or Officer, as applicable, by this Agreement; provided, however, that any indemnity under this Section 21 shall be provided out of and to the extent of Company assets only, and neither the Member nor the Officer, as applicable, nor any other Covered Person, shall have personal liability on account thereof.

22. **Banking Matters.** The Member and each Officer and any agent or employee of the Company, or other person designated by such Member or Officer is hereby authorized and empowered (A) to (i) establish one or more domestic or international accounts (including but not limited to, depository, checking, disbursement, custodian, or investment accounts, and other accounts as deemed necessary or expeditious for business purposes of the Company) (“Accounts”), in the name of the Company with any bank, trust company, savings and loan institution, brokerage firm or other financial institution which said Member or Officer shall from time to time designate as a depository of funds, securities or other property of the Company, for any purpose and on terms and conditions deemed appropriate by such person on behalf of the Company; and (ii) close Accounts of the Company now or hereafter established; and (B) to assign, limit or revoke any and all authority of any agent or employee of the Company, or other person designated by such

Member or Officer to (i) sign checks, drafts and orders for the payment of money drawn on the Company's Accounts, and all notes of the Company and all acceptances and endorsements of the Company; (ii) execute or initiate electronic fund transfers; (iii) execute or initiate foreign currency exchange transactions; (iv) execute or initiate the investment of monies; and (v) initiate requests for information for any Account of the Company.

24. **Amendment**. This Agreement may only be amended by a writing duly signed by the Member.

25. **Governing Law**. This Agreement shall be governed by, and construed under, the laws of the State of Delaware, without regard to conflict of law rules.

IN WITNESS WHEREOF, the undersigned has duly executed this Agreement as of the 25<sup>th</sup> day of June, 2021.

**MIAMI INTERNATIONAL HOLDINGS, INC.**

By: /s/ Thomas P. Gallagher  
Thomas P. Gallagher  
Chairman and Chief Executive Officer

## EXHIBIT J

### Exhibit Request:

A list of the officers, governors, members of all standing committees, or persons performing similar functions, who presently hold or have held their offices or positions during the previous year, indicating the following for each:

1. Name.
2. Title.
3. Dates of commencement and termination of term of office or position.
4. Type of business in which each is primarily engaged (e.g., floor broker, specialist, odd lot dealer, etc.).

### Response:

1. Officers of MIAX PEARL, LLC

The following persons are the officers of the Exchange:

Name	Title
Thomas P. Gallagher	Chairman and Chief Executive Officer
Douglas M. Schafer, Jr.	Chief Information Officer and Executive Vice President
Barbara Comly	Executive Vice President, General Counsel and Corporate Secretary
Lance Emmons	Executive Vice President and Chief Financial Officer
Edward Deitzel	Executive Vice President, Chief Regulatory Officer and Chief Compliance Officer
Shelly Brown	Executive Vice President – Strategic Planning and Business Development
John Smollen	Executive Vice President – Head of Exchange Traded Products and Strategic Relations
Randy Foster	Senior Vice President – Business Systems Development
Harish Jayabalan	Senior Vice President – Chief Risk Officer and Chief Information Security Officer
Matthew Rotella	Senior Vice President – Chief Technology Officer
Joseph W. Ferraro III	Senior Vice President – Deputy General Counsel
Deborah Carroll	Senior Vice President, Associate General Counsel and Assistant Corporate Secretary
Joseph S. Bracco	Senior Vice President – Head of Sales

<b>Name</b>	<b>Title</b>
Shawn Hughes	Senior Vice President – Project Management
Amy Neiley	Senior Vice President – Trading Operations and Listings
Paul Anders (Andy) Nybo	Senior Vice President – Chief Communications Officer
Roli Bhotika	Vice President – Head of Business Development
Jonathan S. Dowd	Vice President – Business Strategy
Laurence Gardner	Vice President – Regulatory Operations
Rodney Hester	Vice President – Systems Infrastructure
Daniel Hsu	Vice President – Exchange Pricing & Business Analysis
Thomas Jarck	Vice President – Proprietary Product Development
Matthew McFarland	Vice President – Derivative Products and Business Development
Lawrence O’Leary	Vice President – Regulatory Oversight
James O’Neil	Vice President and Director of Physical Security and Safety
Vinay Rao	Vice President – Trading Systems Development
Siddharth Sahoo	Vice President – Trading Systems Development
Christopher Solgan	Vice President – Senior Counsel
Christopher Swisher	Vice President – Market Surveillance
Tia Toms	Vice President – Administration
Gregory Ziegler	Vice President – Senior Counsel
Charles Blades	Assistant Vice President – Controller
Dimitriy Kotov	Assistant Vice President – Associate Counsel
Michael Slade	Assistant Vice President – Associate Counsel

The officers of the Exchange serve until their successors are appointed in accordance with the By-Laws of the Exchange. Officers of the Exchange serve at the direction of the Board of Directors.

**2. Directors of MIAX PEARL, LLC**

The following persons are the directors of the Exchange:

<b>Name</b>	<b>Classification</b>	<b>Term of Office</b>	<b>Type of Business</b>
Thomas P. Gallagher	Industry	So long as CEO of the Company	Securities Exchange
Paul Jiganti	Industry/ERP	So long as qualified under the Equity Rights Program	Managing Director of Business Development and Market Structure Strategy – IMC Financial Markets
Paul Kenyon	Industry/ERP	So long as qualified under the Equity Rights Program	Business Development, Americas – Jump Trading, LLC
Joseph Sellitto	Industry/ERP	So long as qualified under the Equity Rights Program	President and CEO – Global Execution Brokers, LP
George Wolf	Industry/ERP	So long as qualified under the Equity Rights Program	Executive Director – UBS Securities LLC
William T. Bergman	Non-Industry/Independent	Class II – 2022	Vice President and Special Assistant to the President – Temple University
Lindsay L. Burbage	Non-Industry/Independent	Class II – 2022	Attorney
Michael Harrington	Industry	Class II – 2022	Head of Client Relationships – Citadel, LLC
Benjamin Londergan	Industry/Member Representative	Class II – 2022	COO – CarAdvise
John E. McCormac	Non-Industry/Independent	Class II – 2022	Township Mayor – Woodbridge, New Jersey; Former New Jersey State Treasurer
Miguel Moratiel	Non-Industry	Class II – 2022	Manager – MDR Inversiones, S.L.

<b>Name</b>	<b>Classification</b>	<b>Term of Office</b>	<b>Type of Business</b>
Talal Jassim Al-Bahar	Non-Industry	Class III – 2023	Chairman – IFA Hotels & Resorts K.S.C.; Vice Chairman and CEO – Kuwait Real Estate K.S.C.
Kurt M. Eckert	Industry	Class III – 2023	Partner and Head of Market Structure – Wolverine Trading, LLC
Leslie Florio	Non-Industry/ Independent	Class III – 2023	Vice President – Maxwell Place Condominium Association
John Rothstein	Industry/Member Representative	Class III – 2023	Chief Operating Officer and Partner – Optiver US LLC
Cynthia Schwarzkopf	Non-Industry/ Independent	Class III – 2023	Professional and Philanthropic Public Speaker
Erik Swanson	Industry/Member Representative	Class III – 2023	Chief Executive Officer – Simplex Trading, LLC
Christopher L. Whittington	Non-Industry	Class III – 2023	Attorney
Sean Barry	Industry/Member Representative	Class I – 2024	Chief Information Officer – ABN AMRO Clearing Chicago, LLC
David Brown	Non-Industry	Class I – 2024	Retired
Guy Dowman	Industry/Member Representative	Class I – 2024	Head of Options Business Development for HRT Financial, LP – Hudson River Trading
Lawrence E. Jaffe	Non-Industry/ Independent	Class I – 2024	Attorney (Retired)
William J. O'Brien IV	Non-Industry	Class I – 2024	Chief Executive Officer – Performance Operating Partners, LLC; President and Chief Operating Officer – O'Brien Energy Company, LLC
Robert D. Prunetti	Non-Industry/ Independent	Class I – 2024	President – Phoenix Ventures, LLC

3. **Committees of MIAX PEARL, LLC**

The standing committees of the Board and the persons appointed to sit on the standing committees are as follows:

<b>COMPENSATION COMMITTEE</b>	
<b>Name</b>	<b>Classification</b>
Cynthia Schwarzkopf (Chair)	Non-Industry/Independent
William T. Bergman	Non-Industry/Independent
Robert D. Prunetti	Non-Industry/Independent

<b>AUDIT COMMITTEE</b>	
<b>Name</b>	<b>Classification</b>
Robert D. Prunetti (Chair)	Non-Industry/Independent
John E. McCormac	Non-Industry/Independent
Cynthia Schwarzkopf	Non-Industry/Independent

<b>REGULATORY OVERSIGHT COMMITTEE</b>	
<b>Name</b>	<b>Classification</b>
Lindsay L. Burbage (Chair)	Non-Industry/Independent
Leslie Florio	Non-Industry/Independent
Lawrence E. Jaffe	Non-Industry/Independent

<b>APPEALS COMMITTEE</b>	
<b>Name</b>	<b>Classification</b>
Lawrence E. Jaffe (Chair)	Non-Industry/Independent
Kurt M. Eckert	Industry
Guy Dowman	Industry/Member Representative

<b>TECHNOLOGY COMMITTEE</b>	
<b>Name</b>	<b>Classification</b>
Leslie Florio (Chair)	Non-Industry/Independent
Kurt M. Eckert	Industry
John E. McCormac	Non-Industry/Independent