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UNITED STATES SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549
APPLICATION FOR, AND AMENDMENTS TO APPLICATION FOR,
REGISTRATION AS A NATIONAL SECURITIES EXCHANGE OR EXEMPTION
FROM REGISTRATION PURSUANT TO SECTION 5 OF THE EXCHANGE ACT

Date filed (MM/DD/YY):
OFFICIAL USE

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 to 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 ISE Gemini, LLC AMENDMENT

1. State the name of the applicant: ISE Gemini, LLC
2. Provide the applicant's primary street address (Do not use a P.O. Box): 60 Broad Street
26th Floor New York, NY 10004

3. Provide the applicant's mailing address (if different):
SEC Mail Processing Section
DEC 05 2016

4. Provide the applicant's business telephone and facsimile number:
212 943-2400 (Telephone) 212-509-3955 (Facsimile)
Washington DC

5. Provide the name, title, and telephone number of a contact employee:
Ronan Cahill (Name) Senior Legal and Regulatory Associate (Title) 212-897-8152 (Telephone Number)

6. Provide the name and address of counsel for the applicant:
Michael Simon
60 Broad Street
New York, NY 10004

7. Provide the date applicant's fiscal year ends: December 31, 2016

8. Indicate legal status of applicant: Corporation Sole Proprietorship Partnership
 Limited Liability Company Other (specify):

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): 05/30/2012 (b) State/Country of formation: Delaware
(c) Statute under which applicant was organized: Delaware LLC Act 6 DelC section 18-101

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.

Date: 11/29/16 (MM/DD/YY)
By: Ronan Cahill (Signature) Ronan Cahill (Printed Name and Title) Legal Associate (Title)

Subscribed and sworn before me this 29 day of November, 2016 by Eleanor Grecco (Notary Public)
My Commission expires 12/4/2018 County of Manhattan State of New York

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

ELEANOR GRECCO
Notary Public - State of New York
NO. 01GN8082263
Qualified in New York County
My Commission Expires Dec 4, 2018



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Section

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November 30, 2016

VIA FEDERAL EXPRESS

Jeanette Marshall
U.S. Securities and Exchange Commission
Division of Market Regulation
Office of Market Supervision
100 F Street NE
Mail Stop 6628
Washington, DC 20549

Securities and Exchange
DEC 05 2016
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Re: ISE Gemini, LLC
SEC Rule 6a-2 and 6a-3 Materials

Dear Ms. Marshall:

Pursuant to Rule 6a-2(a) of the Securities Exchange Act of 1934, this is an update of the ISE Gemini, LLC's ("ISE Gemini" or "Exchange") Form 1.

In addition, pursuant to Rule 6a-3(a), within the last 10 days, ISE Gemini issued or has made available certain material to its members, participants or subscribers. The material can be found at the following locations on ISE Gemini's website:

Options

New Listings:

<http://ise.com/newlistings>

Delistings:

<http://ise.com/delistings>

Expiration Notices:

<http://ise.com/expirationnotices>

Series Additions/Deletions:

<http://ise.com/serieslist>

Market Information Circulars:

<http://ise.com/mics>

Index Options

Recent Index Changes:

<http://ise.com/indexchanges>

Index Settlement Values:

<http://ise.com/indexsettlement>

Legal & Regulatory

Regulatory Information Circulars:

<http://www.ise.com/rics>

Rules:

<http://www.ise.com/rules>

Marketing Material

Press Releases:

www.ise.com/press

Publications:

<http://www.ise.com/publications>

Corporate

Board Members:

<http://www.ise.com/about-ise/board-of-directors/>

Constitution:

<http://www.ise.com/media/92473/Constitution-of-Topaz-Exchange-31-Jul-13-name-change-to-ISE-Gemini-.pdf>

LLC Agreement:

<http://www.ise.com/media/103279/Executed-Second-Amended-and-Restated-LLC-Agreement-18-Dec-2014-.pdf>

Exchange Officers:

<http://www.ise.com/about-ise/management-team/>

Members

List of ISE Members

<http://www.ise.com/options/membership/exchange-members/>

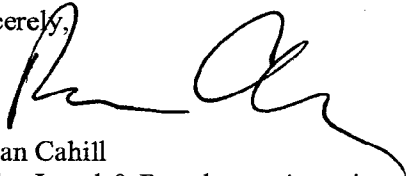
Transactional Volume

Volume Report

<http://www.ise.com/options/exchange-data/>

If you have any questions on these materials, please do not hesitate to contact me at (212) 897-8152.

Sincerely,



Ronan Cahill
Senior Legal & Regulatory Associate

Exhibit M

Changes since November 10, 20162

Approved Members:

Simplex Trading, LLC
230 S. LaSalle St., Suite 4-100
Chicago, IL 60604
Contact: Angela Lucas 312-360-2483
Electronic Access Member (Proprietary Business)
Electronic Access Member Trading Right