

Form 1 Page 1 Execution Page	U.S. SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549	Date filed (MM/DD/YY) 04/04/16	OFFICIAL USE ONLY
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WARNING: Failure to keep this form current and to file accurate supplementary information on a timely basis, or 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 AMENDMENT

1. State the name of the applicant: Bats EDGX Exchange, Inc.

2. Provide the applicant's primary street address (Do not use a P.O. Box):
8050 Marshall Dr., Suite 120
Lenexa, Kansas 66214

3. Provide the applicant's mailing address (if different):

4. Provide the business telephone and facsimile number:
(913) 815-7000 (Telephone) (913) 815-7119 (Facsimile)

5. Provide the name, title and telephone number of a contact employee:
Eric Swanson General Counsel, Bats EDGX Exchange, Inc. (212) 378-8523
(Name) (Title) (Telephone Number)

6. Provide the name and address of counsel for the applicant:
Eric Swanson
17 State Street, 32nd Floor
New York, NY 10004

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

8. Indicate legal status of the applicant: Corporation Sole Partnership 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): 03/09/09 (b) State/Country of formation: Delaware/United States of America
(c) Statute under which applicant was organized: General Corporation Law of the State of Delaware

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 statement 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: 04/04/16 Bats EDGX Exchange, Inc.
(MM/DD/YY) (Name of Applicant)

By: [Signature] Anders Franzon, SVP, Associate General Counsel
(Signature) (Printed Name and Title)

Subscribed and sworn before me this 4th day of April, 2016 by Bianca Stodden
(Month) (Year) (Notary Public)

My Commission expires 08/04/2019 County of Johnson State of Kansas

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



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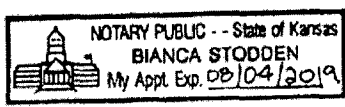


Exhibit C

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: Please see below responses for the following entities:

A. Bats Global Markets, Inc.

1. *Name:* Bats Global Markets, Inc.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on August 22, 2013.
4. *Brief description of nature and extent of affiliation:* Bats Global Markets, Inc. owns 100% of the outstanding common stock of Bats Global Markets Holdings, Inc., which is the Exchange's 100% owner.
5. *Brief description of business or functions:* Bats Global Markets, Inc. is the ultimate parent company through which the ultimate owners of the Exchange indirectly hold their ownership interest in the Exchange and its affiliates.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- Joe Ratterman
- Chris Concannon
- Michael Richter
- Alan Freudenstein
- John McCarthy
- Robert Jones
- Chris Mitchell
- Jamil Nazarali
- Frank Reardon

Current Officers

- Chris Concannon (President, CEO)
- Chris Isaacson (Executive Vice President, Global Chief Information Officer)
- Bryan Harkins (Executive Vice President, Head of U.S. Markets)
- Eric Swanson (Executive Vice President, General Counsel, Secretary)
- Mark Hemsley (Executive Vice President, Chief Executive Officer of Bats Europe)

Bats EDGX Exchange, Inc. Form 1 Registration Statement: Exhibit C

- Brian N. Schell (Executive Vice President, Chief Financial Officer, Treasurer)
- Tami Schademann (Executive Vice President, Chief Compliance Officer)

Compensation Committee

- Rob Jones
- Michael Richter
- Chris Mitchell

Audit Committee

- Michael Richter
- Alan Freudenstein

Nominating and Corporate Governance Committee

- John McCarthy
- Alan Freudenstein

10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year: Not applicable.*

B. Bats Global Markets Holdings, Inc.

1. *Name:* Bats Global Markets Holdings, Inc.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on June 29, 2007.
4. *Brief description of nature and extent of affiliation:* Bats Global Markets Holdings, Inc. is the Exchange's 100% owner.
5. *Brief description of business or functions:* Bats Global Markets Holdings, Inc. is an intermediate holding company.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- Chris Concannon

Current Officers

- Chris Concannon (President, CEO)
- Tami Schademann (Executive Vice President)
- Bryan Harkins (Executive Vice President, Head of U.S. Markets)
- Eric Swanson (Secretary)
- Brian N. Schell (Treasurer)

10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

C. Direct Edge LLC

1. *Name:* Direct Edge LLC (f/k/a Direct Edge, Inc.)
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Limited Liability Company
3. *Name of state, statute under which organized and date of incorporation:* Formed in Delaware under Section 201 of the Limited Liability Company Act of the State of Delaware on December 31, 2014. Was converted from Direct Edge, Inc., a Delaware corporation, on December 31, 2014.
4. *Brief description of nature and extent of affiliation:* Bats Global Markets, Inc. owns 100% of the membership interests of Direct Edge LLC.
5. *Brief description of business or functions:* Direct Edge LLC is an intermediate holding company. Direct Edge LLC is the sole shareholder of Bats EDGA Exchange, Inc. and Bats EDGX Exchange, Inc.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws or corresponding rules or instruments:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- None

Current Officers

- Chris Concannon (President, CEO)
 - Eric Swanson (Secretary)
 - Brian N. Schell (Chief Financial Officer)
 - Chris Isaacson (Chief Information Officer)
 - Bryan Harkins (Executive Vice President, Head of U.S. Markets)
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

D. Bats BZX Exchange, Inc.

1. *Name:* Bats BZX Exchange, Inc.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on November 1, 2007.
4. *Brief description of nature and extent of affiliation:* Bats BZX Exchange, Inc. is wholly-owned by Bats Global Markets Holdings, Inc., which is also the Exchange's 100% owner.
5. *Brief description of business or functions:* Bats BZX Exchange, Inc. operates as a registered national securities exchange pursuant to Section 6 of the Act.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- Chris Concannon
- Chris Isaacson
- Brett Redfearn
- Peter Wallison
- David Roscoe
- Sandy Kemper
- Scott Wagner
- Jill Sommers
- Adam Nunes
- Matt Billings
- Joseph Mecane

Current Officers

- Chris Concannon (President, CEO)
- Chris Isaacson (Executive Vice President, Global Chief Information Officer)
- Bryan Harkins (Executive Vice President, Head of U.S. Markets)
- Tami Schademann (Executive Vice President, Chief Regulatory Officer)
- Eric Swanson (Executive Vice President, General Counsel, Secretary)

Bats EDGX Exchange, Inc. Form 1 Registration Statement: Exhibit C

- Brian N. Schell (Executive Vice President, Chief Financial Officer, Treasurer)
- Charles Randy Williams (Senior Vice President, Global Investor Relations & Communications)
- Tony Barchetto (Senior Vice President, Business Development)
- Bryan Christian (Senior Vice President, Head of U.S. Sales)
- Laura Morrison (Senior Vice President, Global Head of Exchange Products)
- Eric Crampton (Senior Vice President, Global Head of Software Engineering)
- Troy Yeazel (Senior Vice President, Operations)
- Jeff Connell (Senior Vice President, Market Oversight)
- Derick Shupe (Vice President, Controller)
- Greg Steinberg (Vice President, Assistant Secretary and Associate General Counsel)
- Aaron Weissenfluh (Vice President, Chief Information Security Officer)
- Rodney Burt (Vice President, Infrastructure)
- Kevin Carrai (Vice President, Connectivity, Data & Member Services)
- Stacie Fleming (Vice President, Communications)
- Anders Franzon (Senior Vice President, Associate General Counsel)
- Kapil Rathi (Vice President, Options Business Development)
- Thad Proski (Vice President, Human Resources)
- Brett Johnson (Vice President, Software Engineering)

Standing Committees

Compensation Committee

- Peter Wallison
- Sandy Kemper

Audit Committee

- Jill Sommers
- David Roscoe
- Matt Billings

Regulatory Oversight Committee

- Scott Wagner
- Sandy Kemper
- Peter Wallison

Appeals Committee

- Brett Redfean
- Joseph Mecane
- Scott Wagner

Executive Committee

- Chris Concannon
- Sandy Kemper
- David Roscoe
- Adam Nunes

10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

E. Bats BYX Exchange, Inc.

1. *Name:* Bats BYX Exchange, Inc.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on July 31, 2009.
4. *Brief description of nature and extent of affiliation:* Bats BYX Exchange, Inc. is wholly-owned by Bats Global Markets Holdings, Inc., which is also the Exchange's 100% owner.
5. *Brief description of business or functions:* Bats BYX Exchange, Inc. operates as a registered national securities exchange pursuant to Section 6 of the Act.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- Chris Concannon
- Chris Isaacson
- Brett Redfean
- Peter Wallison
- David Roscoe
- Sandy Kemper
- Scott Wagner
- Jill Sommers
- Adam Nunes
- Matt Billings
- Joseph Mecane

Current Officers

- Chris Concannon (President, CEO)
- Chris Isaacson (Executive Vice President, Global Chief Information Officer)
- Bryan Harkins (Executive Vice President, Head of U.S. Markets)
- Tami Schademann (Executive Vice President, Chief Regulatory Officer)
- Eric Swanson (Executive Vice President, General Counsel, Secretary)

Bats EDGX Exchange, Inc. Form 1 Registration Statement: Exhibit C

- Brian N. Schell (Executive Vice President, Chief Financial Officer, Treasurer)
- Charles Randy Williams (Senior Vice President, Global Investor Relations & Communications)
- Tony Barchetto (Senior Vice President, Business Development)
- Bryan Christian (Senior Vice President, Head of U.S. Sales)
- Laura Morrison (Senior Vice President, Global Head of Exchange Products)
- Eric Crampton (Senior Vice President, Global Head of Software Engineering)
- Troy Yeazel (Senior Vice President, Operations)
- Jeff Connell (Senior Vice President, Market Oversight)
- Derick Shupe (Vice President, Controller)
- Greg Steinberg (Vice President, Assistant Secretary and Associate General Counsel)
- Aaron Weissenfluh (Vice President, Chief Information Security Officer)
- Rodney Burt (Vice President, Infrastructure)
- Kevin Carrai (Vice President, Connectivity, Data & Member Services)
- Stacie Fleming (Vice President, Communications)
- Anders Franzon (Senior Vice President, Associate General Counsel)
- Kapil Rathi (Vice President, Options Business Development)
- Thad Proski (Vice President, Human Resources)
- Brett Johnson (Vice President, Software Engineering)

Standing Committees

Compensation Committee

- Peter Wallison
- Sandy Kemper

Audit Committee

- Jill Sommers
- David Roscoe
- Matt Billings

Regulatory Oversight Committee

- Scott Wagner
- Sandy Kemper
- Peter Wallison

Appeals Committee

- Brett Redfearn
- Joseph Mecane
- Scott Wagner

Executive Committee

- Chris Concannon
- Sandy Kemper
- David Roscoe
- Adam Nunes

10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

F. Bats EDGA Exchange, Inc.

1. *Name:* Bats EDGA Exchange, Inc.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:* Formed in Delaware under the General Corporation Law of the State of Delaware on March 9, 2009.
4. *Brief description of nature and extent of affiliation:* Bats EDGA Exchange, Inc. is an indirect wholly-owned subsidiary of Bats Global Markets, Inc., the Exchange's ultimate parent.
5. *Brief description of business or functions:* Bats EDGA Exchange, Inc. operates a registered national securities exchange pursuant to Section 6 of the Act.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- Chris Concannon
- Chris Isaacson
- Brett Redfearn
- Peter Wallison
- David Roscoe
- Sandy Kemper
- Scott Wagner
- Jill Sommers
- Adam Nunes
- Matt Billings
- Joseph Mecane

Current Officers

- Chris Concannon (President, CEO)
- Chris Isaacson (Executive Vice President, Global Chief Information Officer)
- Bryan Harkins (Executive Vice President, Head of U.S. Markets)
- Tami Schademann (Executive Vice President, Chief Regulatory Officer)
- Eric Swanson (Executive Vice President, General Counsel, Secretary)

Bats EDGX Exchange, Inc. Form 1 Registration Statement: Exhibit C

- Brian N. Schell (Executive Vice President, Chief Financial Officer, Treasurer)
- Charles Randy Williams (Senior Vice President, Global Investor Relations & Communications)
- Tony Barchetto (Senior Vice President, Business Development)
- Bryan Christian (Senior Vice President, Head of U.S. Sales)
- Laura Morrison (Senior Vice President, Global Head of Exchange Products)
- Eric Crampton (Senior Vice President, Global Head of Software Engineering)
- Troy Yeazel (Senior Vice President, Operations)
- Jeff Connell (Senior Vice President, Market Oversight)
- Derick Shupe (Vice President, Controller)
- Greg Steinberg (Vice President, Assistant Secretary and Associate General Counsel)
- Aaron Weissenfluh (Vice President, Chief Information Security Officer)
- Rodney Burt (Vice President, Infrastructure)
- Kevin Carrai (Vice President, Connectivity, Data & Member Services)
- Stacie Fleming (Vice President, Communications)
- Anders Franzon (Senior Vice President, Associate General Counsel)
- Kapil Rathi (Vice President, Options Business Development)
- Thad Proski (Vice President, Human Resources)
- Brett Johnson (Vice President, Software Engineering)

Standing Committees

Compensation Committee

- Peter Wallison
- Sandy Kemper

Audit Committee

- Jill Sommers
- David Roscoe
- Matt Billings

Regulatory Oversight Committee

- Scott Wagner
- Sandy Kemper
- Peter Wallison

Appeals Committee

- Brett Redfearn
- Joseph Mecane
- Scott Wagner

Executive Committee

- Chris Concannon
- Sandy Kemper
- David Roscoe
- Adam Nunes

10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

G. Bats Trading, Inc.

1. *Name:* Bats Trading, Inc.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on June 16, 2005.
4. *Brief description of nature and extent of affiliation:* Bats Trading, Inc. is wholly-owned by Bats Global Markets Holdings, Inc., which is also the Exchange's 100% owner.
5. *Brief description of business or functions:* Bats Trading, Inc. is a broker-dealer registered as such with the Securities and Exchange Commission and a member of the Financial Industry Regulatory Authority and other self-regulatory organizations. Bats Trading, Inc. provides routing of orders from the Exchange Bats BYX Exchange, Inc., Bats EDGA Exchange, Inc. and Bats EDGX Exchange, Inc. to other securities exchanges, facilities of securities exchanges, automated trading systems, electronic communication networks or other broker-dealers.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- Chris Isaacson
- Tami Schademann
- Chris Concannon
- Brian N. Schell

Current Officers

- Troy Yeazel (President)
- Greg Steinberg (Secretary)
- Bryan Upp (Chief Compliance Officer)
- Derick Shupe (FINOP, Treasurer)

10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

H. Omicron Acquisition Corp.

1. *Name:* Omicron Acquisition Corp.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on February 7, 2011.
4. *Brief description of nature and extent of affiliation:* Omicron Acquisition Corp. is wholly-owned by Bats Global Markets Holdings, Inc., which is also the Exchange's 100% owner.
5. *Brief description of business or functions:* Omicron Acquisition Corp. is a Delaware corporation established to acquire and potentially operate the assets of existing operating companies.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors
 - Chris Concannon
 - Joe Ratterman
 - Mark Hemsley
Current Officers
 - Mark Hemsley (President and Treasurer)
 - Eric Swanson (Vice President, Secretary)
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

I. Bats Hotspot Holdings LLC

1. *Name:* Bats Hotspot Holdings LLC (f/k/a Hotspot FX Holdings, LLC)
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Formed in Delaware under Section 201 of the Limited Liability Company Act of the State of Delaware on May 15, 2000. Name was amended from Hotspot FX Holdings, LLC, a Delaware LLC, on March 11, 2015.
4. *Brief description of nature and extent of affiliation:* Bats Hotspot Holdings LLC is wholly-owned by Bats Global Markets Holdings, Inc., which is an affiliate of the Exchange.
5. *Brief description of business or functions:* Bats Hotspot Holdings LLC is an intermediate holding company of Bats Hotspot LLC and Bats Hotspot Services LLC.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- None

Current Officers

- Chris Concannon (President)
- William Goodbody, Jr. (SVP, Head of FX)
- Brian N. Schell (Treasurer)
- Eric Swanson (Secretary)
- Barry Calder (Head of Liquidity & Client Services)

10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

J. Bats Hotspot LLC

1. *Name:* Bats Hotspot LLC (f/k/a KCG Hotspot FX LLC)
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Formed in New Jersey under Section 42 of the Limited Liability Company Act of the State of New Jersey on August 7, 2001. Name was amended from KCG Hotspot FX LLC, a Delaware LLC, on March 12, 2015.
4. *Brief description of nature and extent of affiliation:* Bats Hotspot LLC is wholly-owned by Bats Hotspot Holdings LLC, which is wholly-owned by Bats Global Markets Holdings, Inc., which is an affiliate of the Exchange.
5. *Brief description of business or functions:* Bats Hotspot LLC operates an institutional spot foreign exchange market.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- None

Current Officers

- Chris Concannon (President)
- William Goodbody, Jr. (SVP, Head of FX)
- Brian N. Schell (Treasurer)
- Eric Swanson (Secretary)
- Barry Calder (Head of Liquidity & Client Services)

10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

K. Bats Hotspot Services LLC

1. *Name:* Bats Hotspot Services LLC (f/k/a Hotspot FXr, L.L.C.)
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Formed in New Jersey under Section 42 of the Limited Liability Company Act of the State of New Jersey on November 22, 2004. Name was amended from KCG Hotspot FX LLC, a Delaware LLC, on March 12, 2015.
4. *Brief description of nature and extent of affiliation:* Bats Hotspot Services LLC is wholly-owned by Bats Hotspot Holdings LLC, which is wholly-owned by Bats Global Markets Holdings, Inc., which is an affiliate of the Exchange.
5. *Brief description of business or functions:* Bats Hotspot Services LLC operates an institutional spot foreign exchange market.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- None

Current Officers

- Chris Concannon (President)
- William Goodbody, Jr. (SVP, Head of FX)
- Brian N. Schell (Treasurer)
- Eric Swanson (Secretary)
- Barry Calder (Head of Liquidity & Client Services)

10. Indication of whether such business or organization ceased to be associated with the applicant during previous year: Not applicable.

L. Bats Hotspot SEF LLC

1. *Name:* Bats Hotspot SEF LLC
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:* Formed in Delaware under Section 201 of the Limited Liability Company Act of the State of Delaware on May 1, 2015.
4. *Brief description of nature and extent of affiliation:* Bats Hotspot SEF LLC is wholly-owned by Bats Hotspot Holdings LLC, which is wholly-owned by Bats Global Markets Holdings, Inc., which is an affiliate of the Exchange.
5. *Brief description of business or functions:* Bats Hotspot SEF LLC currently has no operations, but anticipates registering with the CFTC as a swap execution facility.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* Pending.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors
None

Current Officers
None
10. Indication of whether such business or organization ceased to be associated with the applicant during previous year: Not applicable.

M. Bats International Holdings Limited

1. *Name:* Bats International Holdings Limited
Address: 10 Lower Thames Street, 6th Floor, London, UK EC3R 6AF
2. *Form of organization:* Private Company Limited by Shares.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in England and Wales under the Companies Act 1985 on February 5, 2015.
4. *Brief description of nature and extent of affiliation:* Bats International Holdings Limited is wholly-owned by Omicron Acquisition Corp. which is an affiliate of the Exchange.
5. *Brief description of business or functions:* Bats International Holdings Limited is a holding company of Bats Hotspot Europe Limited and Bats Hotspot Asia Pte. Ltd.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* Not applicable.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors
 - Mark Hemsley
 - Chris Concannon
Current Officers
 - Antonio Amelia (Secretary)
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

N. **Bats Hotspot Europe Limited**

1. *Name:* Bats Hotspot Europe Limited
Address: 10 Lower Thames Street, 6th Floor, London, UK EC3R 6AF
2. *Form of organization:* Private Company Limited by Shares.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in England and Wales under the Companies Act 1985 on February 5, 2015.
4. *Brief description of nature and extent of affiliation:* Bats Hotspot Europe Limited is wholly-owned by Bats International Holdings Limited which is wholly-owned by Omicron Acquisition Corp. which is an affiliate of the Exchange.
5. *Brief description of business or functions:* Bats Hotspot Europe Limited operates an institutional spot foreign exchange market.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* Not applicable.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors
 - Mark Hemsley
 - Chris Concannon
Current Officers
 - Antonio Amelia (Secretary)
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

O. Bats Hotspot Asia Pte. Ltd.

1. *Name:* Bats Hotspot Asia Pte. Ltd.
Address: 16 Collyer Quay, #2104, Sixteen Collyer Quay, Singapore (049318)
2. *Form of organization:* Private Company Limited by Shares.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Singapore under the Companies Act (Cap. 50) on February 23, 2015.
4. *Brief description of nature and extent of affiliation:* Bats Hotspot Asia Pte. Ltd. is wholly-owned by Bats International Holdings Limited which is wholly-owned by Omicron Acquisition Corp. which is an affiliate of the Exchange.
5. *Brief description of business or functions:* Bats Hotspot Asia Pte. Ltd. operates an institutional spot foreign exchange market.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* Not applicable.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors
 - Chris Concannon
 - Ng Lip Chih
Current Officers
 - Chew Pei Tsing (Secretary)
 - Lai Jek Ping (Secretary)
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

P. Bats Trading Limited

1. *Name:* Bats Trading Limited
Address: 10 Lower Thames Street, 6th Floor, London, UK EC3R 6AF
2. *Form of organization:* Private Company Limited by Shares.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in England and Wales under the Companies Act 1985 on March 28, 2008.
4. *Brief description of nature and extent of affiliation:* Bats Trading Limited is wholly-owned by Omicron Acquisition Corp. which is an affiliate of the Exchange.
5. *Brief description of business or functions:* Bats Trading Limited is recognized as a Recognised Investment Exchange in the United Kingdom under the Financial Services and Markets Act 2000 ("FSMA"). It operates a platform for trading of European equity securities.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* Not applicable.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- Mark Hemsley
- Adam Eades
- John Woodman
- Anthony Whalley
- William Eldridge
- Virginie Saade
- Rebecca Fuller
- Paul Hilgers
- Julian Corner

Current Officers

- Mark Hemsley (CEO)
- Antonio Amelia (Secretary)
- Jill Griebenow (CFO)
- Adam Eades (Chief Legal and Regulatory Officer)
- Jerry Avenell (Co-Head Sales)
- Alex Dalley (Co-Head Sales)
- Guy Simpkin (Head of Business Development)

- David Howson (COO)

Standing Committees

Audit, Risk and Compliance Committee

- William Eldridge
- Anthony Whalley
- Rebecca Fuller

Remuneration Committee

- John Woodman
- Anthony Whalley
- Rebecca Fuller

10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

Q. Chi-X Europe Limited

1. *Name:* Chi-X Europe Limited
Address: 10 Lower Thames Street, 6th Floor, London, UK EC3R 6AF
2. *Form of organization:* Private Company Limited by Shares.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in England and Wales. It changed its name to Chi-X Europe Limited on July 2, 2007.
4. *Brief description of nature and extent of affiliation:* Chi-X Europe Limited is wholly-owned by Bats Trading Limited which, in turn, is indirectly wholly owned by Bats Global Markets, Inc.
5. *Brief description of business or functions:* Chi-X Europe Limited is authorised in the United Kingdom under the Financial Services and Markets Act 2000 (“FSMA”), as an investment firm. Between April 30, 2012 and May 20, 2013 it was a dormant company. Since May 20, 2013, Chi-X Europe Limited operates the smart order router that is needed for the routing strategies deployed by Bats Trading Limited
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* Not applicable.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- Mark Hemsley
- Adam Eades
- John Woodman

Current Officers

- Mark Hemsley (CEO)
- Antonio Amelia (Secretary)
- Jill Griebenow (CFO)
- Adam Eades (Chief Legal and Regulatory Officer)
- Jerry Avenell (Co-Head Sales)
- Alex Dalley (Co-Head Sales)
- Guy Simpkin (Head of Business Development)
- David Howson (COO)

10. Indication of whether such business or organization ceased to be associated with the applicant during previous year: Not applicable.

R. Bats ETF.com, Inc.

1. *Name:* Bats ETF.com, Inc.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on March 28, 2016.
4. *Brief description of nature and extent of affiliation:* Bats ETF.com, Inc. is wholly-owned by BATS Global Markets Holdings, Inc., which is also the Exchange's 100% owner.
5. *Brief description of business or functions:* Bats ETF.com, Inc. is a media company providing ETF data, news and analysis.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* See attached.
8. *Copy of existing by-laws:* See attached.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:*

Current Directors

- Chris Concannon
- Fernando Rivera

Current Officers

- Chris Concannon (President)
- David Lichtblau (CEO)
- Brian N. Schell (EVP, CFO and Treasurer)
- Bryan Harkins (EVP, Head of U.S. Markets)
- Chris Isaacson (EVP, Global CIO)
- Eric Swanson (EVP, General Counsel and Secretary)

10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* Not applicable.

S. **Blue Merger Sub Inc.**

1. *Name:* Blue Merger Sub Inc.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on August 22, 2013.
4. *Brief description of nature and extent of affiliation:* As of January 31, 2014, Blue Merger Sub Inc. ceased to exist.
5. *Brief description of business or functions:* Not applicable.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* Not applicable.
8. *Copy of existing by-laws or corresponding rules or instruments:* Not applicable.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:* None.
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* On January 31, 2014, Blue Merger Sub, Inc. was merged with and into Bats Global Markets Holdings, Inc. (f/k/a BATS Global Markets, Inc.), with Bats Global Markets Holdings, Inc. surviving, resulting in Blue Merger Sub, Inc. ceasing to exist.

T. Delta Merger Sub LLC

1. *Name:* Delta Merger Sub LLC
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Limited Liability Company.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on August 22, 2013.
4. *Brief description of nature and extent of affiliation:* As of January 31, 2014, Delta Merger Sub LLC ceased to exist.
5. *Brief description of business or functions:* Not applicable.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* Not applicable.
8. *Copy of existing by-laws or corresponding rules or instruments:* Not applicable.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:* None.
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* On January 31, 2014, Delta Merger Sub LLC was merged with and into Direct Edge Holdings LLC, with Direct Edge Holdings LLC surviving, resulting in Delta Merger Sub LLC ceasing to exist.

U. **BATS FX, Inc.**

1. *Name:* BATS FX, Inc.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on September 17, 2012.
4. *Brief description of nature and extent of affiliation:* As of December 31, 2015, BATS FX, Inc. ceased to exist.
5. *Brief description of business or functions:* Not applicable.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* Not applicable.
8. *Copy of existing by-laws:* Not applicable.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:* None
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* As of December 31, 2015, BATS FX, Inc. ceased to exist.

V. **Direct Edge ECN LLC (d/b/a DE Route)**

1. *Name: Direct Edge ECN LLC (d/b/a DE Route)*
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization: Limited Liability Company*
3. *Name of state, statute under which organized and date of incorporation: Formed in Delaware under Section 201 of the Limited Liability Company Act of the State of Delaware on April 19, 2005.*
4. *Brief description of nature and extent of affiliation: As of December 31, 2015, Direct Edge ECN LLC ceased to exist.*
5. *Brief description of business or functions: Not applicable.*
6. *Copy of constitution: Not applicable.*
7. *Copy of articles of incorporation or association and amendments: Not applicable.*
8. *Copy of existing by-laws or corresponding rules or instruments: Not applicable.*
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions: None.*
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year: As of December 31, 2015, Direct Edge ECN LLC ceased to exist.*

W. Direct Edge Holdings LLC

1. *Name:* Direct Edge Holdings LLC
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Limited Liability Company
3. *Name of state, statute under which organized and date of incorporation:* Formed in Delaware under Section 201 of the Limited Liability Company Act of the State of Delaware on June 5, 2007.
4. *Brief description of nature and extent of affiliation:* As of December 31, 2015, Direct Edge Holdings LLC ceased to exist.
5. *Brief description of business or functions:* Not applicable.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* Not applicable.
8. *Copy of existing by-laws or corresponding rules or instruments:* Not applicable.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:* None.
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* As of December 31, 2015, Direct Edge Holdings LLC ceased to exist.

X. Omicron Holdings Corp.

1. *Name:* Omicron Holdings Corp.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on February 7, 2011.
4. *Brief description of nature and extent of affiliation:* As of December 31, 2015, Omicron Holdings Corp. ceased to exist.
5. *Brief description of business or functions:* Not applicable.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* Not applicable.
8. *Copy of existing by-laws:* Not applicable.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:* None.
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* As of December 31, 2015, Omicron Holdings Corp. ceased to exist.

Y. **Omicron Intermediate Holdings Corp.**

1. *Name:* Omicron Intermediate Holdings Corp.
Address: 8050 Marshall Dr., Ste. 120, Lenexa, KS 66214
2. *Form of organization:* Corporation.
3. *Name of state, statute under which organized and date of incorporation:*
Incorporated in Delaware under Section 101 of the General Corporation Law of the State of Delaware on February 7, 2011.
4. *Brief description of nature and extent of affiliation:* As of December 31, 2015, Omicron Intermediate Holdings Corp. ceased to exist.
5. *Brief description of business or functions:* Not applicable.
6. *Copy of constitution:* Not applicable.
7. *Copy of articles of incorporation or association and amendments:* Not applicable.
8. *Copy of existing by-laws:* Not applicable.
9. *Name and title of present officers, governors, members of standing committees and persons performing similar functions:* None.
10. *Indication of whether such business or organization ceased to be associated with the applicant during previous year:* As of December 31, 2015, Omicron Intermediate Holdings Corp. ceased to exist.

Form 1, Exhibit C Index of Attachments

- A Bats Global Markets, Inc.
- B Bats Global Markets Holdings, Inc.
- C Direct Edge LLC
- D Bats BZX Exchange, Inc.
- E Bats EDGA Exchange, Inc.
- F Bats EDGX Exchange, Inc.
- G Bats Trading, Inc.
- H Omicron Acquisition Corp.
- I Bats Hotspot Holdings LLC
- J Bats Hotspot LLC
- K Bats Hotspot Services LLC
- L Bats Hotspot SEF LLC
- M Bats International Holdings Limited
- N Bats Hotspot Europe Limited
- O Bats Hotspot Asia Pte. Ltd.
- P Bats Trading Limited
- Q Chi-X Europe Limited
- R Bats ETF.com, Inc. (Updated)
- S Blue Merger Sub Inc.
- T Delta Merger Sub LLC
- U BATS FX, Inc.
- V Direct Edge ECN LLC
- W Direct Edge Holdings LLC
- X Omicron Holdings Corp
- Y Omicron Intermediate Holdings Corp.

R Bats ETF.com, Inc.

Delaware

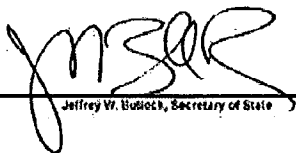
The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF INCORPORATION OF "BATS ETF.COM, INC.", FILED IN THIS OFFICE ON THE TWENTY-EIGHTH DAY OF MARCH, A.D. 2016, AT 6:54 O`CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.




Jeffrey W. Bullock, Secretary of State

6001013 8100
SR# 20161922350

You may verify this certificate online at corp.delaware.gov/authver.shtml

Authentication: 202056260
Date: 03-29-16

State of Delaware
Secretary of State
Division of Corporations
Delivered 06:54 PM 03/28/2016
FILED 06:54 PM 03/28/2016
SR 20161922350 - File Number 6001013

CERTIFICATE OF INCORPORATION

OF

BATS ETF.COM, INC.

FIRST: The name of the corporation is Bats ETF.com, Inc. (the "Corporation").

SECOND: The address of the registered office of the Corporation in the State of Delaware is Corporation Trust Center, 1209 Orange Street, City of Wilmington, County of New Castle, Delaware 19801. The name of the registered agent of the Corporation at such address is The Corporation Trust Company.

THIRD: The nature of the business or purposes to be conducted or promoted by the Corporation is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law of the State of Delaware ("Delaware Law") as the same exists or may hereafter be amended.

FOURTH: The total number of shares of stock which the Corporation shall have authority to issue is 1,000, and the par value of each such share is \$0.01, amounting in the aggregate to \$10.00.

FIFTH: The name and mailing address of the incorporator of the Corporation is:

Name	Mailing Address
Greg Steinberg	Bats Global Markets, Inc. 8050 Marshall Drive, Suite 120 Lenexa, Kansas 66214

SIXTH: The Board of Directors shall have the power to adopt, amend or repeal the bylaws of the Corporation.

SEVENTH: Election of directors need not be by written ballot unless the bylaws of the Corporation so provide.

EIGHTH: The Corporation expressly elects not to be governed by Section 203 of Delaware Law.

NINTH: (1) A director of the Corporation shall not be liable to the Corporation or its stockholders for monetary damages for breach of fiduciary duty as a director to the fullest extent permitted under Delaware Law.

(2)(a) Each person (and the heirs, executors or administrators of such person) who was or is a party or is threatened to be made a party to, or is involved in any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative, by reason of the fact that such person is or was a director or officer of the Corporation or is or was serving at the request of the Corporation as a director or officer of another corporation, partnership, joint venture, trust or other enterprise, shall be indemnified and held harmless by the Corporation to the fullest extent permitted by Delaware Law. The right to indemnification conferred in this ARTICLE NINTH shall also include the right to be paid by the Corporation the expenses incurred in connection with any such proceeding in advance of its final disposition to the fullest extent authorized by Delaware Law. The right to indemnification conferred in this ARTICLE NINTH shall be a contract right.

(b) The Corporation may, by action of its Board of Directors, provide indemnification to such of the employees and agents of the Corporation to such extent and to such effect as the Board of Directors shall determine to be appropriate and authorized by Delaware Law.


(3) The Corporation shall have the power to purchase and maintain insurance on behalf of any person who is or was a director, officer, employee or agent of the Corporation, or is or was serving at the request of the Corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against any expense, liability or loss incurred by such person in any such capacity or arising out of such person's status as such, whether or not the Corporation would have the power to indemnify such person against such liability under Delaware Law.

(4) The rights and authority conferred in this ARTICLE NINTH shall not be exclusive of any other right which any person may otherwise have or hereafter acquire.

(5) Neither the amendment nor repeal of this ARTICLE NINTH, nor the adoption of any provision of this Certificate of Incorporation or the bylaws of the Corporation, nor, to the fullest extent permitted by Delaware Law, any modification of law, shall adversely affect any right or protection of any person granted pursuant hereto existing at, or arising out of or related to any event, act or omission that occurred prior to, the time of such amendment, repeal, adoption or modification (regardless of when any proceeding (or part thereof) relating to such event, act or omission arises or is first threatened, commenced or completed).

TENTH: The Corporation reserves the right to amend this Certificate of Incorporation in any manner permitted under Delaware Law and all rights and powers conferred herein on stockholders, directors and officers, if any, are subject to this reserved power.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Incorporation on this 28th day of March, 2016.



Greg Steinberg
Incorporator

BYLAWS
OF
BATS ETF.COM, INC.
(a Delaware corporation)

ARTICLE I.

OFFICES

1.1. Principal and Business Offices. The corporation may have such principal and other business offices, either within or without the State of Delaware, as the Board of Directors may designate or as the business of the corporation may require from time to time.

1.2. Registered Office. The registered office of the corporation required by the Delaware General Corporation Law to be maintained in the State of Delaware may be, but need not be, identical with the principal office in the State of Delaware, and the address of the registered office may be changed from time to time by the Board of Directors or by the registered agent. The business office of the registered agent of the corporation shall be identical to such registered office.

ARTICLE II.

STOCKHOLDERS

2.1. Annual Meeting. The annual meeting of the stockholders for the purposes of electing directors and for the transaction of such other business as may come before the meeting shall be held at such date, time and place, if any, as shall be determined by the Board of Directors and stated in the notice of the meeting.

2.2. Special Meeting. Special meetings of the stockholders, for any purpose or purposes, unless otherwise prescribed by statute, may be called by the Board of Directors or the President or the Secretary or by the person, or in the manner, designated by the Board of Directors.

2.3. Place of Meeting. The Board of Directors may designate any place, either within or without the State of Delaware, as the place of meeting for any annual meeting or for any special meeting of stockholders called by the Board of Directors.

2.4. Notice of Meeting. Written notice stating the place, if any, day and hour of the meeting of stockholders, the means of remote communications, if any, by which stockholders and proxy holders may be deemed to be present in person and vote at such meeting, and, in case of a special meeting, the purpose or purposes for which the meeting is called, shall be delivered to each stockholder of record entitled to vote at such meeting not less than ten (10) days (unless a longer period is required by law or the articles of incorporation) not more than sixty (60) days before the date of the meeting.

2.5. Adjournment. Any meeting of stockholders may be adjourned to reconvene at any place designated by vote of a majority of the shares represented thereat. At the adjourned meeting, the corporation may transact any business which might have been transacted at the original meeting. No

notice of an adjournment need be given if the time, place, if any, and the means of remote communications, if any, by which stockholders and proxy holders may be deemed to be present in person and vote at such meeting are announced at the meeting at which an adjournment is taken, unless the adjournment is for more than thirty (30) days or a new record date is fixed for the adjourned meeting, in which case notice of the adjourned meeting shall be given to each stockholder. Unless a new record date for the adjourned meeting is fixed, the determination of stockholders of record entitled to notice or to vote at the meeting at which adjournment is taken shall apply to the adjourned meeting.

2.6. Fixing of Record Date. For the purpose of determining stockholders entitled to notice of or to vote at any meeting of stockholders or any adjournment thereof, or stockholders entitled to receive payment of any dividend, or in order to make a determination of stockholders for any other proper purpose, the Board of Directors may fix in advance a date as the record date for any such determination of stockholders, such date in any case to be not more than sixty (60) days, and, in case of a meeting of stockholders, not less than ten (10) days prior to the date on which the particular action requiring such determination of stockholders is to be taken. If no record date is fixed, the record date for determining:

(a) stockholders entitled to notice of or to vote at a meeting of stockholders shall be at the close of business on the day next preceding the day on which notice is given or, if notice is waived, at the close of business on the day next preceding the day on which the meeting is held;

(b) stockholders entitled to express consent to a corporate action in writing without meeting shall be the day on which the first written consent is expressed; or

(c) stockholders for any other purpose shall be the close of business on the day on which the Board of Directors adopts the resolution relating thereto.

2.7. Voting Records. The officer having charge of the stock transfer books for shares of the corporation shall, at least ten (10) days before each meeting of stockholders, make a complete record of the stockholders entitled to vote at such meeting, arranged in alphabetical order, with the address of and the number of shares held by each. Such record shall be produced and kept open to the examination of any stockholders, for any purpose germane to the meeting, during ordinary business hours, for a period of at least ten (10) days prior to the meeting, either at a place within the city where the meeting is to be held as specified in the notice of the meeting or at the place of the meeting. The record shall also be produced and kept at the time and place of the meeting during the whole time thereof, and may be inspected by any stockholders present. The original stock transfer books shall be the only evidence as to who are the stockholders entitled to examine such record or transfer books or to vote at any meeting of stockholders.

2.8. Quorum; Voting. Except as otherwise provided in the certificate of incorporation or these bylaws and subject to Delaware law, a majority of the shares entitled to vote, represented in person or by proxy, shall constitute a quorum at a meeting of stockholders, but in no event shall less than one-third of the shares entitled to vote constitute a quorum. Except as otherwise provided in the certificate of incorporation or these bylaws and subject to Delaware law, each stockholder shall be entitled to one vote for each outstanding share of capital stock of the corporation held by such stockholder. Any share of capital stock held by the corporation shall have no voting rights. Except as otherwise provided in the certificate of incorporation or these bylaws and subject to Delaware law, in all matters other than the election of directors, the affirmative vote of the majority of the shares represented at the meeting and entitled to vote on the subject matter shall be the act of the stockholders. Though less than a quorum of the outstanding shares are represented at a meeting, a majority of the shares represented at a meeting which initially had a quorum may adjourn the meeting from time to time without further notice.

2.9. Conduct of Meeting. The President or, in the President's absence, a Vice President in the order provided under Section 4.6 or, in their absence, any person chosen by the stockholders present, shall call the meeting of the stockholders to order and shall act as chairman of the meeting. The Secretary of the corporation shall act as secretary of all meetings of the stockholders, but, in the absence of the Secretary, the presiding officer may appoint any other person to act as secretary of the meeting.

2.10. Proxies. At all meetings of stockholders, a stockholder entitled to vote may vote in person, by proxy, appointed in writing by the stockholder, or by the stockholder's duly authorized attorney in fact. Such proxy shall be filed with the Secretary of the corporation before or at the time of the meeting. Unless otherwise provided in the proxy and supported by sufficient interest, a proxy may be revoked at any time before it is voted, either by written notice filed with the Secretary or the acting secretary, or by oral notice given by the stockholder to the presiding officer during the meeting. The presence of a stockholder who has filed a proxy shall not of itself constitute a revocation. No proxy shall be valid after three (3) years from the date of its execution, unless otherwise provided in the proxy. The Board of Directors shall have the power and authority to make rules establishing presumptions as to the validity and sufficiency of proxies.

2.11. Voting of Shares by Certain Holders.

(a) Other Corporations. Shares standing in the name of another corporation may be voted either in person or by proxy, by the president of such corporation or any other officer appointed by such president. A proxy executed by any principal officer of such other corporation or assistant thereto shall be conclusive evidence of the signer's authority to act, in the absence of express notice to this corporation, given in writing to the Secretary of this corporation, of the designation of some other person by the board of directors or the bylaws of such other corporation.

(b) Legal Representatives and Fiduciaries. Shares held by any administrator, executor, guardian, conservator, trustee in bankruptcy, receiver, or assignee for creditors may be voted by a duly executed proxy, without a transfer of such shares to his or her name. Shares standing in the name of a fiduciary may be voted by the fiduciary, either in person or by proxy. A proxy executed by a fiduciary, shall be conclusive evidence of the signer's authority to act, in the absence of express notice to this corporation, given in writing to the Secretary of this corporation, that such manner of voting is expressly prohibited or otherwise directed by the document creating the fiduciary relationship.

(c) Pledges. A stockholder whose shares are pledged shall be entitled to vote such shares, unless in the transfer of the shares the pledgor has expressly authorized the pledgee to vote the shares and thereafter the pledgee, or his or her proxy, shall be entitled to vote the shares so transferred.

(d) Treasury Stock and Subsidiaries. Neither treasury shares, nor shares held by another corporation if a majority of the shares entitled to vote for the election of directors of such other corporation is held by this corporation, shall be voted at any meeting or counted in determining the total number of outstanding shares entitled to vote, but shares of its own issue held by its corporation in a fiduciary capacity, or held by such other corporation in a fiduciary capacity, may be voted and shall be counted in determining the total number of outstanding shares entitled to vote.

(e) Joint Holders. Shares of record in the names of two or more persons or shares to which two or more persons have the same fiduciary relationship, unless the Secretary of the corporation is given notice otherwise and furnished with a copy of the instrument creating the relationship, may be voted as follows: (i) if voted by an individual, the individual's vote binds all holders; or (ii) if voted by more than one holder, the majority vote binds all, unless the vote is evenly split in which case the shares

may be voted proportionately, or according to the ownership interest as shown in the instrument filed with the Secretary of the corporation.

2.12. Waiver of Notice by Stockholders. Whenever any notice is required to be given to any stockholder of the corporation under the certificate of incorporation or bylaws or any provision of the Delaware General Corporation Law, a waiver thereof in writing, signed at any time, whether before or after the time of meeting, by the stockholder entitled to such notice, shall be deemed equivalent to the giving of such notice. Attendance of a person at a meeting shall constitute a waiver of notice of such meeting, except where the person attends for the express purpose of objecting to the transaction of any business. Neither the business nor the purpose of any regular or special meeting of stockholders, directors or members of a committee of directors need be specified in the waiver.

2.13. Stockholders Consent Without Meeting. Any action required or permitted by the certificate of incorporation or bylaws or any provision of law to be taken at a meeting of the stockholders, may be taken without a meeting, prior notice or vote, if a consent in writing, setting forth the action so taken, shall be signed by the number of stockholders required to authorize such action at a meeting. If the action is authorized by less than unanimous consent, notice of the action shall be given to nonconsenting stockholders.

ARTICLE III.

BOARD OF DIRECTORS

3.1. General Powers; Number; Election. The business and affairs of the corporation shall be managed by its Board of Directors. The number of directors of the corporation shall be two (2) or such other specific number as may be designated from time to time by resolution of the Board of Directors. Subject to the rights of the holders of any series of preferred stock to elect additional directors under specific circumstances, directors shall be elected by a plurality of the votes of the shares of capital stock of the corporation present in person or represented by proxy at the meeting and entitled to vote on the election of directors.

3.2. Tenure and Qualifications. Each director shall hold office until the next annual meeting of stockholders and until his or her successor shall have been qualified and elected, or until his or her prior death, resignation or removal. Any director or the entire Board of Directors may be removed from office, with or without cause, at any time by affirmative vote of a majority of the outstanding shares entitled to vote for the election of such director, taken at a meeting of stockholders called for that purpose. A director may resign at any time by filing his or her written resignation with the Secretary of the corporation. Directors need not be residents of the State of Delaware or stockholders of the corporation.

3.3. Regular Meetings. A regular meeting of the Board of Directors shall be held without other notice than this bylaw immediately after the annual meeting of stockholders, and each adjourned session thereof. The place of such regular meeting shall be the same as the place of the meeting of stockholders which precedes it, or such other suitable place as may be announced at such meeting of stockholders. The Board of Directors may provide, by resolution, the time and place, either within or without the State of Delaware, for the holding of additional regular meetings without other notice than such resolution.

3.4. Special Meetings. Special meetings of the Board of Directors may be called by or at the request of the President, Secretary or Treasurer. The President or Secretary calling any special meeting of the Board of Directors may fix any place, either within or without the State of Delaware, as

the place for holding any special meeting of the Board of Directors called by them, and if no other place is fixed the place of the meeting shall be the registered office of the corporation in the State of Delaware.

3.5. Notice; Waiver. Notice of each meeting of the Board of Directors (unless otherwise provided in or pursuant to Section 3.3) shall be given to each director not less than twenty-four (24) hours prior to the meeting by giving oral, telephone or written notice to a director in person, or by facsimile, e-mail or other electronic means, or not less than three (3) days prior to a meeting by delivering or mailing notice to the business address or such other address as a director shall have designated in writing and filed with the Secretary. Whenever any notice is required to be given to any director of the corporation under the certificate of incorporation or bylaws or any provision of law, a waiver thereof in writing, signed at any time, whether before or after the time of meeting, by the director entitled to such notice, shall be deemed equivalent to the giving of such notice. The attendance of a director at a meeting shall constitute a waiver of notice of such meeting, except where a director attends a meeting and objects thereto to the transaction of any business because the meeting is not lawfully called or convened. Neither the business to be transacted at, nor the purpose of, any regular or special meeting of the Board of Directors need be specified in the notice or waiver of notice of such meeting.

3.6. Quorum. Except as otherwise provided by law or by the certificate of incorporation or these bylaws, a majority of the directors shall constitute a quorum for the transaction of business at any meeting of the Board of Directors, but in no event shall less than one-third of the directors constitute a quorum. A majority of the directors present (though less than such quorum) may adjourn the meeting from time to time without further notice.

3.7. Manner of Acting. The act of the majority of the directors present at a meeting at which a quorum is present shall be the act of the Board of Directors, unless the act of a greater number is required by law or by the certificate of incorporation or these bylaws.

3.8. Conduct of Meetings. The President, or, in the President's absence a Vice President in the order provided under Section 4.6, or, in their absence, any director chosen by the directors present, shall call meetings of the Board of Directors to order and shall act as chairman of the meeting. The Secretary of the corporation shall act as secretary of all meetings of the Board of Directors but in the absence of the Secretary, the presiding officer may appoint any Assistant Secretary or any director or other person present to act as secretary of the meeting.

3.9. Vacancies. Any vacancy occurring in the Board of Directors, including a vacancy created by an increase in the number of directors, may be filled until the next succeeding annual election by the affirmative vote of a majority of the directors then in office, though less than a quorum of the Board of Directors; provided, that in case of a vacancy created by the removal of a director by vote of the stockholders, the stockholders shall have the right to fill such vacancy at the same meeting or any adjournment thereof.

3.10. Compensation. The Board of Directors, by affirmative vote of a majority of the directors then in office, and irrespective of any personal interest of any of its members, may establish reasonable compensation of all directors for services to the corporation as directors, officers or otherwise, or may delegate such authority to an appropriate committee. The Board of Directors also shall have authority to provide for or delegate authority to an appropriate committee to provide for reasonable pensions, disability or death benefits, and other benefits or payments, to directors, officers and employees and to their estates, families, dependents or beneficiaries on account of prior services rendered by such directors, officers and employees to the corporation.

3.11. Presumption of Assent. A director of the corporation who is present at a meeting of the Board of Directors or a committee thereof of which the director is a member at which action on any corporate matter is taken unless the director's dissent shall be entered in the minutes of the meeting or unless the director shall file a written dissent to such action with the person acting as the secretary of the meeting before the adjournment thereof or shall forward such dissent by registered mail to the Secretary of the corporation immediately after the adjournment of the meeting. Such right to dissent shall not apply to a director who voted in favor of such action.

3.12. Committees. The Board of Directors by resolution adopted by the affirmative vote of a majority of the directors may designate one or more committees, each committee to consist of one or more directors elected by the Board of Directors, which to the extent provided in said resolution as initially adopted, and as thereafter supplemented or amended by further resolution adopted by a like vote, shall have and may exercise the powers of the Board of Directors in the management of the business and affairs of the corporation and may authorize the seal of the corporation to be affixed to all papers which may require it. Each such committee shall fix its own rules governing the conduct of its activities and shall make such reports to the Board of Directors of its activities as the Board of Directors may request.

3.13. Unanimous Consent Without Meeting. Any action required or permitted by the certificate of incorporation or bylaws or any provision of law to be taken at any meeting of the Board of Directors or any committee thereof may be taken without a meeting if all directors or members of such committee, as the case may be, consent thereto in writing or by electronic transmission setting forth the action so taken, and the writing or electronic transmissions are filed with the minutes of proceedings of the Board of Directors or committee in accordance with applicable law.

3.14. Telephonic Meetings. Members of the Board of Directors, or any committee designated by the Board, may participate in a meeting of such Board or committee by means of conference telephone or similar communications equipment by means of which all persons participating in the meeting can hear each other, and participation in a meeting pursuant to this bylaw shall constitute presence in person at such meeting.

ARTICLE IV.

OFFICERS

4.1. Number. The principal officers of the corporation shall be a President, or any number of Vice Presidents, and a Secretary, each of whom shall be elected by the Board of Directors. Such other officers and assistant officers as may be deemed necessary may be elected or appointed by the Board of Directors. Any number of offices may be held by the same person.

4.2. Election and Term of Office. The officers of the corporation to be elected by the Board of Directors shall be elected annually by the Board of Directors at the first meeting of the Board of Directors held after each annual meeting of the stockholders. If the election of officers shall not be held at such meeting, such election shall be held as soon thereafter as conveniently may be. Each officer shall hold office until his or her successor shall have been duly elected or until his or her prior death, resignation or removal. Any officer may resign at any time upon written notice to the corporation. Failure to elect officers shall not dissolve or otherwise affect the corporation.

4.3. Removal. Any officer or agent may be removed by the Board of Directors whenever in its judgment the best interests of the corporation will be served thereby, but such removal shall be without prejudice to the contract rights, if any, of the person so removed. Election or appointment shall not of itself create contract rights.

4.4. Vacancies. A vacancy in any principal office because of death, resignation, removal, disqualification or otherwise, shall be filled by the Board of Directors for the unexpired portion of the term.

4.5. President. The President shall be the principal executive officer of the corporation and, subject to the control of the Board of Directors, shall, in general, supervise and control all of the business and affairs of the corporations. The President shall, when present, preside at all meetings of the stockholders and of the Board of Directors. The President shall have authority, subject to such rules as may be prescribed by the Board of Directors, to appoint such agents and employees of the corporation as the President shall deem necessary, to prescribe their powers, duties and compensation, and to delegate authority to them. Such agents and employees shall hold office at the discretion of the President. The President shall have authority to sign, execute and acknowledge, on behalf of the corporation, all deeds, mortgages, bonds, stock certificates, contracts, leases, reports and all other documents or instruments, of every conceivable kind and character whatsoever, necessary or proper to be executed in the course of the corporation's regular business, or which shall be authorized by resolution of the Board of Directors; and, except as otherwise provided by law or the Board of Directors, the President may authorize any Vice President or other officer or agent of the corporation to sign, execute and acknowledge such documents or instruments in the President's place and stead. In general the President shall perform all duties incident to the office of President and such other duties as may be prescribed by the Board of Directors from time to time.

4.6. The Vice President. In the absence of the President or in the event of his or her death, inability or refusal to act, or in the event for any reason it shall be impracticable for the President to act personally, the Vice President, if one is elected, (or in the event there be more than one Vice President, the Vice Presidents in the order designated by the Board of Directors, or in the absence of any designation, then in the order of their election) shall perform the duties of the President, and when so acting, shall have all the powers of and be subject to all the restrictions upon the President. Any Vice President may sign, with the Secretary or Assistant Secretary, certificates for shares of the corporation; and shall perform such other duties and have such authority as from time to time may be delegated or assigned to him or her by the President or by the Board of Directors. The execution of any instrument of the corporation by any Vice President shall be conclusive evidence, as to third parties, of his or her authority to act in the stead of the President.

4.7. The Secretary. The Secretary shall: (a) keep the minutes of the meetings of the stockholders and of the Board of Directors in one or more books provided for the purpose; (b) attest instruments to be filed with the Secretary of State; (c) see that all notices are duly given in accordance with the provisions of these bylaws or as required by law; (d) be custodian of the corporate records and of the seal of the corporation and see that the seal of the corporation is affixed to all documents the execution of which on behalf of the corporation under its seal is duly authorized; (e) keep or arrange for the keeping of a register of the post office address of each stockholder which shall be furnished to the Secretary by such stockholder; (f) sign with the President, or a Vice President, certificates for shares of the corporation, the issuance of which shall have been authorized by resolution of the Board of Directors; (g) have general charge of the stock transfer books of the corporation; and (h) in general perform all duties incident to the office of Secretary and have such other duties and exercise such authority as from time to time may be delegated or assigned to him or her by the President or by the Board of Directors.

4.8. The Treasurer. The Treasurer shall: (a) have charge and custody of and be responsible for all funds and securities of the corporation; (b) receive and give receipts for moneys due and payable to the corporation from any source whatsoever, and deposit all such moneys in the name of the corporation in such banks, trust companies or other depositories as shall be selected in accordance with the provisions of Section 5.3; and (c) in general perform all of the duties incident to the office of

Treasurer and have such other duties and exercise such other authority as from time to time may be delegated or assigned to him or her by the President or by the Board of Directors. If required by the Board of Directors, the Treasurer shall give a bond for the faithful discharge of his or her duties in such sum and with such surety or sureties as the Board of Directors shall determine.

4.9. Assistant Secretaries and Assistant Treasurers. There shall be such number of Assistant Secretaries and Assistant Treasurers as the Board of Directors may from time to time authorize, if any. The Assistant Secretaries may sign with the President or a Vice President certificates for shares of the corporation the issuance of which shall have been authorized by a resolution of the Board of Directors. The Assistant Treasurers shall respectively, if required by the Board of Directors, give bonds for the faithful discharge of the duties in such sums and with such sureties as the Board of Directors shall determine. The Assistant Secretaries and Assistant Treasurers, in general, shall perform such duties and have such authority as shall from time to time be delegated or assigned to them by the Secretary or the Treasurer, respectively, or by the President or the Board of Directors.

4.10. Other Assistants and Acting Officers. The Board of Directors shall have the power to appoint any person to act as assistant to any officer, or as agent for the corporation in his or her stead, or to perform the duties of such officer whenever for any reason it is impracticable for such officer to act personally, and such assistant or acting officer or other agent so appointed by the Board of Directors shall have the power to perform all the duties of the office to which such person is so appointed to be an assistant, or as to which such person is so appointed to act, except as such power may be otherwise defined or restricted by the Board of Directors.

4.11. Salaries. The salaries of the principal officers shall be fixed from time to time by the Board of Directors or by a duly authorized committee thereof, and no officer shall be prevented from receiving such salary by reason of the fact that the officer is also a director of the corporation.

ARTICLE V.

CONTRACTS, LOAN, CHECKS AND DEPOSITS; SPECIAL CORPORATE ACTS

5.1. Contracts. The Board of Directors may authorize any officer or officers, agent or agents, to enter into any contract or execute or deliver any instrument in the name of an on behalf of the corporation, and such authorization may be general or confined to specific instances. In the absence of other designation, all deeds, mortgages and instruments of assignment or pledge made by the corporation shall be executed in the name of the corporation by the President or a Vice President and by the Secretary, an Assistant Secretary, the Treasurer or an Assistant Treasurer; the Secretary or an Assistant Secretary, when necessary or required, shall affix the corporate seal thereto; and when so executed no other party to such instrument or any third party shall be required to make any inquiry into the authority of the signing officer or officers.

5.2. Loans. No indebtedness for borrowed money shall be contracted on behalf of the corporation and no evidences of such indebtedness shall be issued in its name unless authorized by or under the authority of a resolution of the Board of Directors. Such authorization may be general or confined to specific instances.

5.3. Deposits. All funds of the corporation not otherwise employed shall be deposited from time to time to the credit of the corporation in such banks, trust companies or other depositories as may be selected by or under the authority of a resolution of the Board of Directors.

5.4. Voting of Securities Owned by this Corporation. Subject always to the specific directions of the Board of Directors, (a) any shares or other securities issued by any other corporation and owned or controlled by this corporation may be voted at any meeting of security holders of such other corporation by the President of this corporation if the President is present, or in the President's absence, by a Vice President of this corporation who may be present, and (b) whenever, in the judgment of the President, or in the President's absence, of a Vice President, it is desirable for this corporation to execute a proxy or written consent in respect to any shares or other securities issued by any other corporation and owned by this corporation, such proxy or consent shall be executed in the name of this corporation by the President or one of the Vice Presidents of this corporation, without necessity of any authorization by the Board of Directors affixation of corporate seal or countersignature or attestation by another officer. Any person or persons designated in the manner above stated as the proxy or proxies of this corporation shall have full right, power and authority to vote the shares or other securities issued by such other corporation and owned by its corporation the same as such shares or other securities might be voted by this corporation.

ARTICLE VI.

CERTIFICATES FOR SHARES AND THEIR TRANSFER

6.1. Certificates for Shares. Certificates representing shares of the corporation shall be in such form, consistent with law, as shall be determined by the Board of Directors. Such certificates shall be signed by the President or a Vice President and by the Secretary or an Assistant Secretary or Treasurer or Assistant Treasurer. All certificates for shares shall be consecutively numbered or otherwise identified. The name and address of the person to whom the shares represented thereby are issued, with the number of shares and date of issue, shall be entered on the stock transfer books of the corporation. All certificates surrendered to the corporation for transfer shall be canceled and no new certificate shall be issued until the former certificate for a like number of shares shall have been surrendered and canceled, except as provided in Section 6.6.

6.2. Facsimile Signatures and Seal. The seal of the corporation on any certificates for shares may be a facsimile. The signature of the President or Vice President and the Secretary or Assistant Secretary upon a certificate may be facsimiles if the certificate is manually signed on behalf of a transfer agent, or a registrar, other than the corporation itself or an employee of the corporation.

6.3. Signature by Former Officers. In case any officer, who has signed or whose facsimile signature has been placed upon any certificate for shares, shall have ceased to be such officer before such certificate is issued, it may be issued by the corporation with the same effect as if such person were such officer at the date of its issue.

6.4. Transfer of Shares. Prior to due presentment of a certificate for shares for registration of transfer, the corporation may treat the registered owner of such shares as the person exclusively entitled to vote, to receive notifications and otherwise to have and exercise all the rights and power of an owner. Where a certificate for shares is presented to the corporation with a request to register for transfer, the corporation shall not be liable to the owner or any other person suffering loss as a result of such registration of transfer if (a) there were on or with the certificate the necessary endorsements, and (b) the corporation had no duty to inquire into adverse claims or has discharged by such duty. The corporation may require reasonable assurance that said endorsements are genuine and effective and compliance with such other regulations as may be prescribed by or under the authority of the Board of Directors. Where a transfer of shares is made for collateral security, and not absolutely, it shall be so expressed in the entry of transfer if, when the shares are presented, both the transferor and the transferee so request.

6.5. Restrictions on Transfer. The face or reverse side of each certificate representing shares shall bear a conspicuous notation of any restriction imposed by the corporation upon the transfer of such shares. Otherwise the restriction is invalid except against those with actual knowledge of the restrictions.

6.6. Lost, Destroyed or Stolen Certificates. The Board of Directors may direct a new certificate or certificates to be issued in place of any certificate or certificates theretofore issued by the corporation alleged to have been lost, stolen or destroyed, upon the making of an affidavit of that fact by the person claiming the certificate of stock to be lost, stolen or destroyed. When authorizing such issue of a new certificate or certificates, the Board of Directors may, in its discretion and as a condition precedent to the issuance thereof, require the person requesting such new certificate or certificates, or his or her legal representative, to give the corporation a bond in such sum as it may direct as indemnity against any claim that may be made against the corporation with respect to the certificate alleged to have been lost, stolen or destroyed.

6.7. Consideration for Shares. The shares of the corporation may be issued for such consideration as shall be fixed from time to time by the Board of Directors, consistent with the laws of the State of Delaware.

6.8. Stock Regulations. The Board of Directors shall have the power and authority to make all such further rules and regulations not inconsistent with the statutes of the State of Delaware as it may deem expedient concerning the issue, transfer and registration of certificates representing shares of the corporation.

ARTICLE VII.

GENERAL PROVISIONS

7.1. Seal. The Board of Directors may, at their discretion, provide a corporate seal in an appropriate form.

7.2. Fiscal Year. The fiscal year of the corporation shall begin on the first day of January and end on the last day of December in each year.

7.3. Checks, Notes, Drafts, Etc. All checks, notes, drafts or other orders for the payment of money of the corporation shall be signed, endorsed or accepted in the name of the corporation by such officer, officers, person or persons as from time to time may be designated by the Board of Directors or by an officer or officers authorized by the Board of Directors to make such designation.

7.4. Dividends. Subject to applicable law and the certificate of incorporation, dividends upon the shares of capital stock of the corporation may be declared by the Board of Directors at any regular or special meeting of the Board of Directors. Dividends may be paid in cash, in property or in shares of the corporation's capital stock, unless otherwise provided by applicable law or the certificate of incorporation.

ARTICLE VIII.

AMENDMENTS

8.1. By Stockholders. These bylaws may be adopted, amended or repealed and new bylaws may be adopted by the stockholders entitled to vote at the stockholders' annual meeting without prior notice or any other meeting provided the amendment under consideration has been set forth in the notice of meeting, by affirmative vote of not less than a majority of the shares present or represented at any meeting at which a quorum is in attendance.

8.2. By Directors. These bylaws may be adopted, amended or repealed by the Board of Directors as provided in the certificate of incorporation by the affirmative vote of a majority of the number of directors present at any meeting at which a quorum is in attendance; but no bylaw adopted by the stockholders shall be amended or repealed by the Board of Directors if the bylaws so provide.

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, and
3. Any other similar materials.

Response:

Attached please find the following documents:

1. Membership Application, including Checklist, Statutory Disqualification Notice and Clearing Letter of Guarantee
2. User Agreement
3. Securities Routing Agreement
4. Market Maker Registration Application
5. Retail Member Organization Application
6. User Agreement Addendum to Permit Volume Attribution
7. Volume Aggregation and Execution Detail Request
8. Direct Debit Opt-In Form
9. Non-Member Clearing Firm Information Document
10. Sponsored Access Application, including Checklist and Information Document, Sponsoring Member Consent and Sponsored Participant Agreement
11. Service Bureau Information Document, Service Bureau Port Fee Agreement and Service Bureau Agreement
12. Connectivity Services Agreement, Extranet Addendum to the Connectivity Services Agreement and Bats Connect Order Form
13. Data Agreement, Data Feed Order Form and System Description, List of Affiliates, Subscriber Agreement, Service Facilitator List, External Controlled Data Distribution Trial Addendum, U.S. Market Data Policies
14. Options Member Application, Options Member Agreement, Options Member Letter of Guarantee and Options Self Clearing Member Letter of Guarantee
15. Options Market Maker Registration Application

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

Bats Global Markets, Inc. Membership Application

In order to join Bats BZX Exchange, Inc. (BZX), Bats BYX Exchange, Inc. (BYX), Bats EDGA Exchange, Inc. (EDGA), and Bats EDGX Exchange, Inc. (EDGX) (each an "Exchange"), an applicant Broker-Dealer ("Applicant") must complete and submit all materials listed on the Application Checklist below via email to MembershipServices@bats.com or mail to:

c/o Bats Global Markets, Inc.
Attn: Membership Services
8050 Marshall Drive, Suite 120
Lenexa, KS 66214

Applicants are required to update any information submitted in this application when and if it becomes inaccurate or incomplete after submission.

APPLICATION CHECKLIST
<input type="checkbox"/> Membership Application, including Statutory Disqualification Notice
<input type="checkbox"/> Clearing Letter of Guarantee (<i>only if you are not self-clearing</i>) - per Exchange
<input type="checkbox"/> User Agreement - per Exchange
<input type="checkbox"/> Securities Routing Agreement - per Exchange
<input type="checkbox"/> Most recent <i>signed and notarized</i> Form BD, including schedules and disclosure reporting pages
<input type="checkbox"/> A Form U-4 for each officer, director and equity holder who owns 5% or more of Applicant's outstanding equity interests, if not available on WebCRD®
<input type="checkbox"/> Most recent audited annual financial statements, including Independent Auditors' Report on Internal Control or Exemption Report, and unaudited financial statements as of the last month end
<input type="checkbox"/> All FOCUS Reports filed since the last annual audit
<input type="checkbox"/> Organizational Documents: Articles of Incorporation and Bylaws; Partnership Agreement; Limited Liability Company Agreement or Operating Agreement; or similar documentation
<input type="checkbox"/> IRS Form <u>W-9</u> or <u>W-8</u>
<input type="checkbox"/> A list of all Authorized Traders, <i>including name and CRD #</i> , the Applicant will be registering with the Exchange
<input type="checkbox"/> A list identifying all joint accounts pursuant to Exchange Rule 12.7 - <i>if applicable</i>

Note: All application materials sent to the Exchange will be reviewed for completeness. All applications are deemed confidential and are handled in a secure environment. Applications may, however, be shared with other self-regulatory organizations (*e.g.*, FINRA), as necessary, to evaluate and process the application.

The Exchange may request applicants to submit documentation in addition to what is listed in the Application Checklist during the application review process, pursuant to Exchange Rule 2.6. If you have questions on completing the application, you may direct them to Membership Services at MembershipServices@bats.com or 913.815.7002. In addition, please refer to the Exchange's website at www.bats.com for additional information regarding the membership process.

**Bats Global Markets, Inc.
Membership Application**

GENERAL INFORMATION		
Date:	CRD #:	
Name of Applicant:		
Address of Principal Office:		
City:	State:	Zip:
BILLING ADDRESS		
Address of Billing Office:		
City:	State:	Zip:
BUSINESS CONTACT	BILLING CONTACT	
Name:	Name:	
Title:	Title:	
CRD #:	CRD #:	
Email:	Email:	
Phone:	Phone:	
COMPLIANCE CONTACT	TECHNICAL CONTACT	
Name:	Name:	
Title:	Title:	
CRD #:	CRD #:	
Email:	Email:	
Phone:	Phone:	
TRADING CONTACT	SUPERVISOR OF AUTHORIZED TRADERS	
Name:	Name:	
Title:	Title:	
CRD #:	CRD #:	
Email:	Email:	
Phone:	Phone:	
TYPE OF ORGANIZATION		
<input type="checkbox"/> Corporation <input type="checkbox"/> Limited Liability Company <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietorship		
State of Organization: _____ Federal Employer ID Number: _____		
TYPE OF BUSINESS ACTIVITIES CONDUCTED BY APPLICANT (check all that apply)		
<input type="checkbox"/> Market Maker* <input type="checkbox"/> Public Customer Business <input type="checkbox"/> Clearing Services <input type="checkbox"/> Firm Proprietary Trading		
<input type="checkbox"/> Other: _____		
*Please contact Membership Services for more information on becoming a Market Maker on the Exchange.		

OTHER SELF-REGULATORY ORGANIZATION MEMBERSHIPS (check all that apply)

- | | |
|--|---|
| <input type="checkbox"/> Bats BZX Exchange, Inc. (BZX) | <input type="checkbox"/> ISE Gemini (GEMINI) |
| <input type="checkbox"/> Bats BYX Exchange, Inc. (BYX) | <input type="checkbox"/> MIAX Options (MIAX) |
| <input type="checkbox"/> Bats EDGA Exchange, Inc. (EDGA) | <input type="checkbox"/> NASDAQ (NQX) |
| <input type="checkbox"/> Bats EDGX Exchange, Inc. (EDGX) | <input type="checkbox"/> NASDAQ BX (BX) |
| <input type="checkbox"/> BOX Options Exchange (BOX) | <input type="checkbox"/> NASDAQ PHLX (PHLX) |
| <input type="checkbox"/> Chicago Board Options Exchange (CBOE) | <input type="checkbox"/> National Stock Exchange (NSX) |
| <input type="checkbox"/> C2 Options Exchange (C2) | <input type="checkbox"/> New York Stock Exchange (NYSE) |
| <input type="checkbox"/> Chicago Stock Exchange (CHX) | <input type="checkbox"/> NYSE Arca, Inc. (ARCA) |
| <input type="checkbox"/> Financial Industry Regulatory Authority (FINRA) | <input type="checkbox"/> NYSE MKT |
| <input type="checkbox"/> International Securities Exchange (ISE) | |

Name of Applicant's Designated Examining Authority (DEA): _____

ADDITIONAL INFORMATION

State approximate dates of last inspection of Applicant's books and records by the SEC, FINRA or any other Regulator.

SEC: _____

FINRA: _____

Other: _____

Name of other Regulator: _____

If any material deficiencies were revealed, please explain (attach an additional sheet if more space is needed):

Discuss any recent events or changes that are not reflected in the Applicant's Form BD and U-4(s) (and amendments thereto) that are submitted with this Application (attach an additional sheet if more space is needed):

Has Applicant during the past three years been subject to the notification and reporting requirements under SEC Rule 17a-11 because of a net capital or record keeping problem?

Yes No

If yes, please explain (attach an additional sheet if more space is needed):

Does Applicant carry a Broker's Blanket and Fidelity Bond? Yes No

If yes, please provide the following:

Name of insurance carrier: _____

Amount of coverage: _____

Effective date of the bond: _____

AML COMPLIANCE OFFICER

Pursuant to Exchange Rule 5.6, each Member is required to designate, and identify to the Exchange, a person or persons responsible for implementing and monitoring the day-to-day operations and internal controls of the Member's anti-money laundering program. A Member must provide prompt notice to the Exchange regarding any change in this designation. If Applicant is a Member of FINRA required to comply with FINRA Rule 3310 (formerly NASD Rule 3011), notification of changes to this designation need not be filed with the Exchange if the Member complies with such FINRA Rule.

Name:		Title:
Business Address:		
Phone:	Fax:	Email:

PRINCIPAL REGISTRATION

The Exchange requires each Member other than a sole proprietorship or a proprietary trading firm with 25 or fewer Authorized Traders ("Limited Size Proprietary Firm") to register at least two (2) Series 24 qualified Principals. A Limited Size Proprietary Firm is required to register at least one (1) Series 24 qualified Principal. A "Principal" is any individual responsible for supervising the activities of a Member's Authorized Traders and each person designated as a Chief Compliance Officer on Schedule A of Form BD. In addition, the Exchange requires each Member to register a Series 27 qualified FINOP with the Exchange. See Exchange Rule 2.5, Interpretation and Policy .01 for additional information regarding principal registration. Please indicate below the individuals that the Member intends to register with the Exchange, to comply with these requirements.

DESIGNATED SERIES 24 LICENSED PRINCIPAL

Name:	Title:	CRD #:
Business Address:		
Phone:	Email:	

DESIGNATED SERIES 24 LICENSED PRINCIPAL

Name:	Title:	CRD #:
Business Address:		
Phone:	Email:	

DESIGNATED SERIES 27 LICENSED PRINCIPAL

Name:	Title	CRD #:
Business Address:		
Phone:	Email:	

[Remainder of page intentionally left blank.]

The undersigned represents that the information and statements contained herein, including exhibits attached hereto, are current, true and complete.

By executing this Application, the undersigned agrees as follows:

- (1) To abide by, comply with, and adhere to the provisions of the Exchange's Certificate of Incorporation, its By-Laws, the Exchange Rules, the policies, interpretations and guidelines of the Exchange and all orders and decisions of the Exchange's Board of Directors and penalties imposed by the Board of Directors, and any duly authorized committee (such agreement is not to be construed as a waiver by the undersigned of any right to appeal provided in the Securities Exchange Act of 1934, as amended);
- (2) To pay such dues, fees, assessments, and other charges in the manner and amount as shall from time to time be fixed by the Exchange.
- (3) The Exchange and its officers, employees and members of its Board of Directors and of any Exchange committee shall not be liable, except for willful malfeasance, to the Applicant or to any other person, for any action taken by such director, officer, or member in his official capacity, or by any employee of the Exchange while acting within the scope of his employment, in connection with the administration or enforcement of any of the provisions of the Certificate of Incorporation, By-Laws, Exchange Rules, policies, interpretations or guidelines of the Exchange or any penalty imposed by the Exchange, its Board of Directors or any duly authorized committee;
- (4) In cases where the Applicant fails to prevail in a lawsuit or administrative adjudicative proceeding instituted by the Applicant against the Exchange of any of its officers, directors, committee members, employees or agents, to pay the Exchange or any of its officers, directors, committee members, employees or agents, all reasonable expenses, including attorneys' fees, incurred by the Exchange in the defense of such proceeding, but only in the event that such expenses exceed Fifty Thousand Dollars (\$50,000.00), provided that such payment obligation shall not apply to internal disciplinary actions by the Exchange or administrative appeals;
- (5) To maintain and make available to the Exchange, its authorized employees and its Board of Directors or committee members such books and records as may be required to be maintained by the Securities and Exchange Commission or Exchange Rules; and
- (6) To provide such other reasonable information with respect to the Applicant as the Exchange may require.

Applicant Broker-Dealer acknowledges its obligation to update any and all information contained in any part of this application, including termination of membership with another SRO, which may cause a change in the Applicant Broker-Dealer's DEA. It is understood that in that event, additional information may be required by the Exchange.

Signature of Authorized Officer, Partner, Managing
Member or Sole Proprietor

Date

Printed Name

Title

Bats Global Markets, Inc.
Statutory Disqualification Notice

Pursuant to the Securities Exchange Act of 1934, as amended ("the Act"), the Exchange may deny (or may condition) membership or may bar a natural person from becoming associated (or may condition an association) with a Member for the same reasons that the Securities and Exchange Commission may deny or revoke a broker-dealer registration under the Act. The Act provides for Statutory Disqualification if a person has:

- Been expelled, barred or suspended from membership in or being associated with a member of a self regulatory organization;
- Had broker, dealer or similar privileges denied or suspended or caused such denial or suspension of another;
- Violated any provision of the Act; or
- Been convicted of a theft or securities related misdemeanor or any felony within ten (10) years of the date of applying for membership status or becoming an Associated Person.

Check here if you **DONOT** have person(s) associated with the Applicant Broker-Dealer who is or may be subject to Statutory Disqualification.

Check here if you **DO** have person(s) associated with the Applicant Broker-Dealer who is or may be subject to Statutory Disqualification.*

Please identify any such person(s) associated with the Applicant Broker-Dealer who is or may be subject to Statutory Disqualification. Additionally, identify any such person(s) who are associated with the Applicant Broker-Dealer and who have been approved for association or continued association by another SRO due to a Statutory Disqualification.

* Attach a sheet identifying any such person(s), including the following information:

1. Name and social security number of the person(s).
2. Copies of documents relating to the Statutory Disqualification.
3. Description of each such person's duties (for non-registered individuals, this should include a statement indicating if the position allows access to books, records, funds or securities).
4. Explanation of action taken or approval given by any other SRO regarding each person.

On behalf of Applicant Broker-Dealer, I hereby attest and affirm that I have read and understand the above and the attached information, and that the answers and the information provided (including copies of any documents) are true and complete to the best of my knowledge. I acknowledge that the Exchange shall rely on the information provided pursuant to this Notice in order to approve or deny Applicant Broker-Dealer's application for membership. I understand that Applicant Broker-Dealer will be subject to a disciplinary action if false or misleading answers are given pursuant to this Notice. I also acknowledge the obligation of Applicant Broker-Dealer to submit to the Exchange any amendment to any document submitted as part of its application, including but not limited to this Notice, within ten (10) business days of such amendment or change.

Signature of Authorized Officer, Partner, Managing
Member or Sole Proprietor

Date

Printed Name

Title

Bats EDGX Exchange, Inc.
Clearing Letter of Guarantee

NOTICE OF CONSENT - To be completed by Clearing Firm of Applicant Broker-Dealer

In connection with the qualification of _____ ("Member") as a member of Bats EDGX Exchange, Inc. ("Exchange") and pursuant to Exchange Rule 11.13, as may be amended or re-numbered from time to time, the undersigned Clearing Firm represents that it is a member of the National Securities Clearing Corporation ("NSCC"), a clearing agency registered with the Securities Exchange Commission pursuant to Section 17A of the Securities Exchange Act of 1934. The undersigned Clearing Firm accepts full responsibility for clearing and settling any and all transactions made by the Member and/or such persons having access to the Exchange pursuant to a sponsorship arrangement with the Member to the extent such transactions are executed on the Exchange or on other markets after being routed away from the Exchange.

This section shall be deemed a letter of guarantee, letter of authorization, or notice of consent pursuant to Exchange Rules and may be relied upon by Exchange. This Notice of Consent shall be subject to Exchange Rules, as amended from time to time, and shall remain in effect until revoked in writing by the Clearing Firm.

Clearing Firm (Broker-Dealer Name)

NSCC Clearing #

Signature of Authorized Officer, Partner or Managing
Member or Sole Proprietor of Clearing Firm

Printed Name/Title

Date

Bats EDGX Exchange, Inc.

User Agreement

This User Agreement (this "Agreement"), with an effective date as of the date executed on the signature page hereof, is made by and between Bats EDGX Exchange, Inc., a Delaware corporation, with its principal offices at 8050 Marshall Drive, Suite 120, Lenexa, Kansas 66214 ("Exchange"), and the user referenced below ("User").

1. **Term of the Agreement.** This Agreement will continue until terminated pursuant to the terms of this Agreement.

2. **Services.** Subject to the terms and conditions of this Agreement, User will have the right to access Exchange to enter orders on Exchange, receive status updates on orders, cancel orders, and execute trades against orders on the Exchange limit order book (collectively, the "Services"). User acknowledges and agrees that nothing in this Agreement constitutes an understanding by Exchange to continue any aspect in its current form. Exchange may from time to time make additions, deletions or modifications to the Services. User acknowledges and agrees that Exchange may temporarily or permanently, unilaterally condition, modify or terminate the right of any individuals or entities to access, receive or use Exchange in accordance with Certificate of Incorporation, Bylaws, Rules and Procedures of Exchange, as amended from time to time (the "Exchange Rules"). In the event of a conflict between the Exchange Rules and this Agreement, the Exchange Rules shall prevail. Exchange reserves the right to modify or change the Services provided Exchange notifies User prior to the effectiveness of the modification and User's continued use of the Services following the modification will constitute User's acceptance of the modification.

3. **Compliance.** Except as otherwise provided herein, with respect to all orders submitted to Exchange by User, it is the sole responsibility of User to ensure compliance, by itself, its customers and its representatives, with all applicable United States federal and state laws, rules, and regulations as well as those of FINRA or any other self-regulatory organization of which the User is a member to the extent applicable to User. User represents and warrants that: (i) it will use Exchange only if and when it is duly authorized to use Exchange pursuant to the Exchange Rules; (ii) it agrees to be bound by, and will only use Exchange in compliance with, Exchange Rules; (iii) it is and will remain responsible for its use of Exchange and the use of Exchange by any of its employees, customers or agents or, if User is a member of Exchange, by any person which has entered into a sponsorship arrangement with User to use Exchange (a "Sponsored Participant"); (iv) it will maintain and keep current a list of all authorized traders who may obtain access to Exchange on behalf of User and/or any Sponsored Participant(s); and (v) it will familiarize User's authorized traders with all of User's obligations under this Agreement and will assure that they receive appropriate training prior to any use of or access to Exchange.

4. **Monitoring.** User acknowledges and agrees that Exchange will monitor the use of Exchange by User for compliance with all applicable laws and regulations, including, without limitation, Exchange Rules. User acknowledges its responsibility to monitor its employees, agents and customers for compliance with Exchange Rules, the rules and regulations of any self-regulatory organizations of which User is a member and all applicable federal and state laws.

5. **Settlement of Transactions.** User agrees that it is User's absolute, unconditional, and unassignable obligation, in connection with each securities transaction effected by User on Exchange to ensure the timely delivery of the subject securities and/or funds as well as any required remittance of interest, dividend payments and/or other distributions in compliance with applicable laws and rules, including, without limitation, relevant rules under the Securities Exchange Act of 1934, as amended (the "Act") as well as the rules of any qualified clearing agency. User will promptly notify Exchange in writing upon becoming aware of any material change in or to User's clearing arrangements. Exchange retains the right to break any trade without liability to User or any of User's customers in accordance with the Exchange's Clearly Erroneous Executions Rule (Exchange Rule 11.13, as may be amended or re-numbered from time to time).

6. **Sponsored Participants.** Notwithstanding Exchange's execution and delivery to User of a copy of this Agreement, if User is a Sponsored Participant, and not a member of Exchange, as a condition to initiating and continuing access to Exchange, User must enter into and maintain customer agreements with one or more sponsoring members of Exchange establishing proper relationship(s) and account(s) through which User may trade on Exchange. Such customer agreement(s) must incorporate the sponsorship provisions set forth in Exchange Rules.

7. Connectivity. User is solely responsible for providing and maintaining all necessary electronic communications with Exchange, including, wiring, computer hardware, software, communication line access, and networking devices.

8. Market Data. User hereby grants to Exchange a non-exclusive, non-assignable, non-transferable, worldwide, irrevocable license to receive and use information and data that User or User's agent enters into Exchange ("User's Data") for the following purposes: for performing self-regulatory functions; for internal commercial purposes (i.e., purposes that do not include disclosing, publishing, or distributing outside of Exchange); and for use within Exchange market data products (i.e., products that include disclosure, publication, or distribution to third parties), provided that: (i) such market data products are provided in an aggregate manner that does not directly or indirectly identify User as the source of the information; and (ii) fees for any such market data product are filed with the Securities and Exchange Commission ("SEC") in accordance with the requirements of Section 19 of the Act. Subject to the foregoing license, as between Exchange and User, User retains all ownership and other rights associated with User's Data. No provision in this Agreement shall impair any right, interest, or use of User's Data granted by operation of SEC rules or any other rule or law. User represents and warrants that, with respect to User's Data: (i) User owns or has sufficient rights in and to User's Data to authorize Exchange to use User's Data to perform all obligations under this Agreement with respect thereto; (ii) use or delivery of User's Data by User or Exchange will not violate the proprietary rights (including, without limitation, any privacy rights) of any party; and (iii) use or delivery of User's Data by User or Exchange will not violate any applicable law or regulation.

9. Restrictions on Use; Security. Unless otherwise required by law, User may not sell, lease, furnish or otherwise permit or provide access to Exchange to any other entity or to any individual that is not User's employee, customer, agent or Sponsored Participant. User accepts full responsibility for its employees', customers', agents' and Sponsored Participants' use of Exchange, which use must comply with Exchange Rules and the User's obligations under this Agreement. User will take reasonable security precautions to prevent unauthorized use of or access to Exchange, including unauthorized entry of information into Exchange, or the information and data made available therein. User understands and agrees that User is responsible for any and all orders, trades and other messages and instructions entered, transmitted or received under identifiers, passwords and security codes of User's authorized traders, and for the trading and other consequences thereof, except in the event of willful misconduct, fraud or a breach of this Agreement by Exchange that results in unauthorized access by other parties. User may not sell, lease, furnish or otherwise permit or provide access to any data feed containing quotation or trade information from Exchange ("Exchange Data") to any other person or to any other office or place unless it signs and complies with a separate Bats Global Markets, Inc. Data Agreement. Each party shall install and maintain at all times during the term of this Agreement a corporate "firewall" protecting its computer network in accordance with commercially reasonable specifications and standards. Exchange shall not include in the operation of Exchange or the Services provided under this Agreement any computer code designed to disrupt, disable, harm, or otherwise impede in any manner, including aesthetic disruptions or distortions, the operation of User's computer system, or any other associated software, firmware, hardware, computer system or network (sometimes referred to as "viruses" or "worms"), or that would disable such system or impair in any way its operation based on the elapsing of a period of time, advancement to a particular date or other numeral (sometimes referred to as "time bombs", "time locks", or "drop dead" devices), or any other similar harmful, malicious or hidden programs, procedures, routines or mechanisms which would cause such programs to cease functioning, or provide or allow unauthorized access to the User's system, or to damage or corrupt data, storage media, programs, equipment or communications, or otherwise interfere with operations. In addition, Exchange shall implement a commercially reasonable method to intercept and block or delete any such viruses, worms, time bombs, time locks, drop dead devices or other malicious or harmful programs, procedures, routines or mechanisms, and carry out on a regular basis, no less frequently than monthly, and more frequently as reasonably required, a commercially reasonable method to scan its computer system and eliminate from it any such malicious or harmful programs, procedures, routines or mechanisms.

10. Information.

(a) **Confidentiality.** Both parties acknowledge that: (i) Exchange and the information and data made available therein, incorporate confidential and proprietary information developed, acquired by or licensed to Exchange; and (ii) each party may receive or have access to other proprietary or confidential information disclosed and reasonably understood as confidential by the disclosing party (collectively, the "Information"). The receiving party will use the disclosing party's Information solely to perform its obligations under this Agreement. The receiving party will take all precautions necessary to safeguard the confidentiality of the disclosing party's Information, including without limitation: (i) those taken by the receiving party to protect its own confidential information; and (ii) those which the disclosing party may reasonably request from time to time. Exchange will not disclose the identity of User or User's customers to any of its other members or to any third parties in connection with orders, trades and other messages and instructions entered or executed by User on Exchange, except as required by a court or regulatory or self-regulatory authority with jurisdiction over Exchange or User, or to facilitate the clearance and settlement of a trade, or with written permission from User.

(b) **Disclosure.** The receiving party will not disclose, in whole or in part, the disclosing party's Information to any person, except as specifically authorized under this Agreement. User may not disclose any data or compilations of data made available to User by Exchange without the express, prior written authorization of Exchange. The receiving party may also disclose Information in accordance with its regulatory obligations.

(c) **Unauthorized Use or Disclosure.** The parties acknowledge that any unauthorized use or disclosure of the disclosing party's Information may cause irreparable damage to the disclosing party. If an unauthorized use or disclosure occurs, the receiving party will immediately notify the disclosing party and take at its expense all steps necessary to recover the disclosing party's Information and to prevent its subsequent unauthorized use or dissemination, including availing itself of actions for seizure and injunctive relief. If the receiving party fails to take these steps in a timely and adequate manner, the disclosing party may take them at the receiving party's expense, and the receiving party will provide the disclosing party with its reasonable cooperation in such actions that the disclosing party may request.

(d) **Limitation.** The receiving party will have no confidentiality obligation with respect to any portion of the disclosing party's Information that: (i) the receiving party independently developed before receiving the Information from the disclosing party; (ii) the receiving party lawfully obtained from a third party under no obligation of confidentiality; (iii) is or becomes available to the public other than as a result of an act or omission of the receiving party or any of its employees; or (iv) the receiving party is compelled to disclose by law, regulation or legal process provided by a court of competent jurisdiction or other governmental entity to whose jurisdiction the receiving party is subject.

11. Clearly Erroneous Trade Policy. User has read and agrees to the terms stipulated in Exchange Rule 11.13 (Clearly Erroneous Executions), as Exchange may amend or re-number from time to time.

12. Corporate Names; Proprietary Rights. Exchange and User each acknowledge and agree that Exchange and User each have proprietary rights in their respective trade names, trademarks, service marks, logos, copyrights and patents, registered or unregistered (collectively, the "Marks"). Exchange and User each agree that they shall not use the other party's Marks in any way that would infringe upon the rights of the other Party. Further, this Agreement shall not grant either party the right to use the other party's Marks in any marketing, promotional or other materials without the prior review and written consent of the other party.

13. Fees. By signing this Agreement, User agrees to make timely payment of all system usage fees, as may be set forth in Exchange Rules or posted on Exchange's web site, as well as any applicable late fees for the failure to make payment within the required time period. Fees are payable within 30 days of the invoice date. User will be solely responsible for any and all telecommunications costs and all other expenses incurred in linking to, and maintaining its link to, Exchange. Failure to make payments within 30 days from the invoice date may result in suspension or termination of Services. User agrees to pay Exchange a late charge in the amount of 1% per month on all past due amounts that are not the subject of a legitimate and bona fide dispute. Subject to the Act, Exchange reserves the right to change its fee schedule with 48 hours prior notice to User (delivered via e-mail and posted to the Exchange web site). The provisions of this Section will survive the termination of this Agreement.

14. DISCLAIMER OF WARRANTY. THE SERVICES ARE PROVIDED AS-IS, WITHOUT WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED CONDITIONS OR WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, ANY IMPLIED WARRANTY ARISING FROM TRADE USAGE, COURSE OF DEALING OR COURSE OF PERFORMANCE, AND OF ANY OTHER WARRANTY OR OBLIGATION WITH RESPECT TO THE SYSTEM OR ANY SOFTWARE OR OTHER MATERIALS MADE AVAILABLE TO USER AND ALL SUCH OTHER WARRANTIES ARE HEREBY DISCLAIMED. THERE IS NO GUARANTY THAT THE SERVICES PROVIDED BY EXCHANGE WILL MEET THE USER'S REQUIREMENTS, BE ERROR FREE, OR OPERATE WITHOUT INTERRUPTION. EXCHANGE GIVES NO WARRANTIES OF ANY KIND AS TO THE FITNESS, CAPACITY, OR CONDUCT OF ANY OTHER PERSON HAVING ACCESS TO EXCHANGE AND SHALL NOT BE HELD LIABLE TO OR THROUGH USER OR OTHERWISE FOR ANY USE OR ABUSE WHATSOEVER OF EXCHANGE BY ANOTHER PERSON HAVING ACCESS TO EXCHANGE, INCLUDING, WITHOUT LIMITATION, ANY FAILURE TO CONCLUDE TRANSACTIONS OR OBSERVE APPLICABLE MARKET REGULATIONS OR CONVENTIONS OR TO PAY REQUISITE TAXES OR OTHER CHARGES ON ANY TRANSACTIONS OR TO OTHERWISE ACT LAWFULLY.

15. NO LIABILITY FOR TRADES. ABSENT FRAUD OR WILLFUL MISCONDUCT BY EXCHANGE OR A CLAIM ARISING OUT OF EXCHANGE'S INDEMNIFICATION OBLIGATION, USER UNDERSTANDS AND AGREES THAT: (i) EXCHANGE IS NOT DIRECTLY OR INDIRECTLY A PARTY TO OR A PARTICIPANT IN ANY TRADE OR TRANSACTION ENTERED INTO OR

OTHERWISE CONDUCTED THROUGH EXCHANGE; AND (ii) EXCHANGE IS NOT LIABLE IN ANY MANNER TO ANY PERSON (INCLUDING WITHOUT LIMITATION USER AND ANY PERSON FOR WHOM USER IS AUTHORIZED TO TRADE OR ACT) FOR THE FAILURE OF ANY PERSON ENTERING INTO A TRADE OR TRANSACTION BY MEANS OF EXCHANGE TO PERFORM SUCH PERSON'S SETTLEMENT OR OTHER OBLIGATIONS UNDER SUCH TRADE OR TRANSACTION. ABSENT FRAUD OR WILLFUL MISCONDUCT BY EXCHANGE OR A CLAIM ARISING OUT OF EXCHANGE'S INDEMNIFICATION OBLIGATION, NEITHER EXCHANGE, NOR ANY OF ITS AGENTS, AFFILIATES OR LICENSORS WILL BE LIABLE FOR ANY LOSSES, DAMAGES, OR OTHER CLAIMS, ARISING OUT OF EXCHANGE OR ITS USE AND ANY LOSSES, DAMAGES, OR OTHER CLAIMS, RELATED TO A FAILURE OF EXCHANGE TO DELIVER, DISPLAY, TRANSMIT, EXECUTE, COMPARE, SUBMIT FOR CLEARANCE AND SETTLEMENT, OR OTHERWISE PROCESS AN ORDER, MESSAGE, OR OTHER DATA ENTERED INTO, OR CREATED BY, EXCHANGE WILL BE ABSORBED BY THE USER THAT ENTERED THE ORDER, MESSAGE OR OTHER DATA INTO EXCHANGE. NOTWITHSTANDING THE FOREGOING, EXCHANGE MAY BE LIABLE TO USER TO THE EXTENT SUCH LIABILITY ARISES BASED ON THE EXCHANGE RULE CURRENTLY NUMBERED 11.12 (LIMITATION OF LIABILITY), AS SUCH RULE MAY BE AMENDED OR RE-NUMBERED FROM TIME TO TIME.

16. NO CONSEQUENTIAL DAMAGES. ABSENT FRAUD OR WILLFUL MISCONDUCT BY EXCHANGE OR A CLAIM ARISING OUT OF EXCHANGE'S INDEMNIFICATION OBLIGATION, UNDER NO CIRCUMSTANCES WILL EXCHANGE OR ITS AGENTS, AFFILIATES OR LICENSORS BE LIABLE FOR ANY LOSS, DAMAGE, CLAIM OR EXPENSE, INCLUDING WITHOUT LIMITATION ANY DIRECT, CONSEQUENTIAL, INDIRECT, SPECIAL, PUNITIVE OR INCIDENTAL DAMAGES OR LOST PROFITS, WHETHER FORESEEABLE OR UNFORESEEABLE, BASED ON USER'S CLAIMS OR THE CLAIMS OF ITS CUSTOMERS, EMPLOYEES OR AGENTS (INCLUDING, BUT NOT LIMITED TO, CLAIMS FOR LOSS OF DATA, GOODWILL, USE OF MONEY OR USE OF EXCHANGE, INTERRUPTION IN USE OR AVAILABILITY OF EXCHANGE, STOPPAGE OF OTHER WORK OR IMPAIRMENT OF OTHER ASSETS), ARISING OUT OF BREACH OR FAILURE OF EXPRESS OR IMPLIED WARRANTY, BREACH OF CONTRACT, MISREPRESENTATION, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE. THIS SECTION WILL NOT APPLY ONLY WHEN AND TO THE EXTENT THAT APPLICABLE LAW SPECIFICALLY REQUIRES LIABILITY, DESPITE THE FOREGOING EXCLUSION AND LIMITATION. NOTWITHSTANDING THE FOREGOING, EXCHANGE MAY BE LIABLE TO USER TO THE EXTENT SUCH LIABILITY ARISES BASED ON THE EXCHANGE RULE CURRENTLY NUMBERED 11.12 (LIMITATION OF LIABILITY), AS SUCH RULE MAY BE AMENDED OR RE-NUMBERED FROM TIME TO TIME.

17. Indemnification by User. User agrees to indemnify and hold harmless Exchange, its owners, subsidiaries, affiliates, officers, directors, employees, agents, and any related persons and entities, from and against all expenses and costs and damages (including any reasonable legal fees and expenses), direct, consequential, and/or incidental in nature, claims, demands, proceedings, suits, and actions, and all liabilities resulting from, in connection with, or arising out of any failure by User, for any reason, fraudulent, negligent or otherwise, to comply with its obligations under this agreement and for any loss or claim which may arise from a claim that one or more trades or orders in securities placed by User with Exchange were in violation of any state or federal securities law or Exchange Rules unless such expenses, costs, damages, claims, demands, proceedings, suits, actions, or liabilities arise from Exchange's willful misconduct, fraud or breach of Exchange's obligations under this Agreement.

18. Indemnification by Exchange. Exchange agrees to indemnify, defend and hold harmless User and its subsidiaries, affiliates and its and their respective officers, directors, employees, and agents from and against all expenses and costs and damages (including any legal fees and expenses), direct, consequential, and/or incidental in nature, claims, demands, proceedings, suits, and actions, and all liabilities resulting from, in connection with, or arising out of any third party claim that Exchange or the Services, or User's use thereof, infringes any copyright, patent, trademark, trade secret or other intellectual property right.

19. Termination. User or Exchange may terminate this Agreement or any part of the Services upon 30 days written notice to the other party. In addition, Exchange may suspend or terminate the Services to User immediately if it determines, in Exchange's sole reasonable determination, that: (i) User has breached any material term of this Agreement; (ii) User is engaged in activities that Exchange determines to be detrimental to Exchange or its members; (iii) User poses a credit risk to Exchange; (iv) User is selling, leasing, furnishing or otherwise permitting or providing access to Exchange Data without the prior approval of Exchange; (v) User has violated any Exchange Rules; or (vi) User ceases to be a member in good standing with Exchange. Upon the termination of this Agreement for any reason, all rights granted to User hereunder will cease. The following Sections will survive the termination or expiration of this Agreement for any reason: 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 19, 24 and 26. In no event will termination of this Agreement relieve User of any obligations incurred prior to the termination or through its use of or connection to Exchange.

20. Acknowledgement of SRO Obligations. Exchange represents: (i) that Exchange is registered with the SEC as a national securities exchange pursuant to Section 6 of the Act; (ii) that 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; (iii) that Section 19(g)(1) of the Act mandates that Exchange, as a self-regulatory organization, comply with the Act; and (iv) that Exchange has jurisdiction over its members to enforce compliance with the Act as well as the rules, regulations and interpretations of Exchange. Accordingly, User agrees that Exchange, when required to do so in fulfillment of its statutory obligations, may, in accordance with Exchange Rules, temporarily or permanently, unilaterally condition, modify or terminate the right of any or all individuals or entities, including User, to receive or use the Services. Exchange shall undertake reasonable efforts to notify User of any such condition, modification or termination, and User shall promptly comply with any requirement that may be contained in such notice within such period of time as may be determined in good faith by Exchange to be necessary and consistent with its statutory obligations. Any individual or entity 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 and Exchange Rules.

21. Assignment. User's license to use the Services during the term of this Agreement is personal, nonexclusive and nontransferable. User shall not assign, delegate or otherwise transfer this Agreement or any of its rights or obligations hereunder without Exchange's prior approval, which will not be unreasonably withheld. Exchange may, as permitted by the Act, assign or transfer this Agreement or any of its rights or obligations hereunder to a related or unrelated party upon notice to User.

22. Force Majeure. Neither party to this Agreement will be liable for delay or failure to perform its obligations hereunder (other than a failure to pay amounts when due) caused by an event that is beyond the party's control; provided, however, that such party will not have contributed in any way to such event.

23. Severability. Each provision of this Agreement will be deemed to be effective and valid under applicable law, but if any provision of this Agreement is determined to be invalid, void, or unenforceable under any law, rule, administrative order or judicial decision, that determination will not affect the validity of the remaining provisions of this Agreement.

24. Arbitration. In connection with the following agreement to arbitrate, each party understands that: (i) arbitration is final and binding on the parties; (ii) the parties are waiving their right to seek remedies in court, including the right to jury trial; (iii) pre-arbitration discovery is generally more limited than and different from court proceedings; (iv) the arbitrators' award is not required to include factual findings or legal reasoning, and any party's right to appeal or seek modification of rulings by the arbitrators is strictly limited; and (v) the panel of arbitrators will typically include a minority of arbitrators who were or are affiliated with the securities industry. Subject to the preceding disclosures, each party agrees that any controversy arising out of or relating to this Agreement or the breach thereof will be resolved and settled by arbitration in accordance with the Commercial Arbitration Rules of the American Arbitration Association or in accordance with such other rules and procedures as are agreed to by the parties. The arbitration proceeding shall be conducted in New York, New York, unless otherwise agreed to by the parties. Judgment upon arbitration may be entered in any court, state or federal, having jurisdiction; provided, however, that nothing herein will prevent either party from: (i) petitioning a regulatory body regarding a matter in question over which the regulatory body has administrative jurisdiction; or (ii) pursuing injunctions before any administrative or judicial forum provided that all monetary and other relief is submitted for arbitration.

25. Amendment. Exchange may amend any term or condition of this Agreement on one hundred and twenty (120) days' written notice to User (which notice may be provided by way of a circular issued to Members generally). User may object in writing to the proposed amendment by providing a written response to the address specified above, such response stating in reasonable detail the basis of the objection. Such response must be received no later than sixty (60) days after the date that Exchange distributed the initial notice. Exchange will respond to User's timely objection in writing within thirty (30) days of receipt and will use reasonable efforts thereafter to meet with the objecting User (in person or by phone) to discuss in good faith any potential resolution. Otherwise, any use by User of the System after the expiration of the one hundred and twenty (120) day notice period shall be deemed acceptance by User of the amendment. User may not alter any terms and conditions of this Agreement, and no modification to this Agreement proposed by User will be binding, unless in writing and manually signed by an authorized representative of each party.

26. Miscellaneous. All notices or approvals required or permitted under this Agreement must be given in writing to Exchange at the address specified above or to User at its last reported principal office address. Any waiver or modification of

this Agreement will not be effective unless executed in writing and signed by the other party. This Agreement will bind each party's successors-in-interest. This Agreement will be governed by and interpreted in accordance with the internal laws of the State of New York, USA. For all matters not subject to Section 24 (Arbitration) above, both parties submit to the jurisdiction of the state and federal courts in and for the State of New York, USA for the resolution of any dispute arising under this Agreement. If any provision of this Agreement is held to be unenforceable, in whole or in part, such holding will not affect the validity of the other provisions of this Agreement. This Agreement, together with the applicable Exchange Rules, constitutes the complete and entire statement of all conditions and representations of the agreement between Exchange and User with respect to its subject matter and supersedes all prior writings or understandings.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed by their duly authorized officers.

User: _____

Bats EDGX Exchange, Inc.

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Date: _____

Bats Trading, Inc.

Securities Routing Agreement

Provided that User is a Member or Sponsored Participant of a Member of either Bats EDGX Exchange, Inc., Bats EDGA Exchange, Inc. or both of Bats EDGX Exchange, Inc. and Bats EDGA Exchange, Inc. (as applicable, the "Exchange") and subject to a valid, ongoing User Agreement with Exchange, Bats Trading, Inc. (hereinafter "Bats Trading"), a broker-dealer registered in accordance with Section 15(a) of the Securities Exchange Act of 1934, as amended (the "Act"), agrees to act as agent to User for the purpose of providing certain routing services, as described herein, provided that User is bound by the terms and conditions of this agreement (the "Routing Agreement") and any applicable rules and interpretations of Exchange Rules. Whereas Bats Trading provides certain order routing services for Exchange, and User desires to use the order routing facilities of Exchange, for good and valuable consideration, User and Bats Trading agree as follows:

- 1. Routing Services.** Bats Trading, a wholly owned subsidiary of Bats Global Markets, Inc., agrees to act as agent for User for routing orders entered into Exchange to the applicable market centers or broker-dealers for execution, whenever such routing is at User's request, and is permitted in accordance with Exchange Rules. User understands and agrees that orders executed on its behalf shall at all times be subject to the terms and conditions of Exchange Rules. In the event of a conflict between the Exchange Rules and this Routing Agreement, the Exchange Rules shall prevail.
- 2. Orders Not Eligible for Routing Services.** User agrees that Bats Trading will not handle or otherwise route any orders that are not eligible for order routing in accordance with Exchange Rules.
- 3. Cancellation; Modification of Orders.** User agrees that any requests regarding cancellation or modification of orders shall be subject to Exchange Rules. User understands that the Exchange Rules may provide that requests to cancel orders while the order is routed away to another market center and remains outside Exchange will be processed by Bats Trading subject to the applicable trading rules of the relevant market center.
- 4. Transmission of Order Instructions.** User agrees that all orders on its behalf must be transmitted to Bats Trading through Exchange. User agrees that Exchange is its exclusive mechanism for purposes of transmitting orders on its behalf to Bats Trading and for receiving notice regarding such orders. Bats Trading shall be entitled to rely upon and act in accordance with any order instructions received from Exchange on behalf of User. User agrees that all order executions effected on behalf of User pursuant to this Routing Agreement shall be reported by Bats Trading to Exchange. User shall be notified of such executions through Exchange.
- 5. Clearance and Settlement.** User agrees that all transactions executed on its behalf shall be processed in accordance with Exchange Rules. If User is a Member, User agrees that orders executed on its behalf by Bats Trading shall be automatically processed by Exchange for clearance and settlement on a locked-in basis. If User is a Sponsored Participant, User agrees that all orders executed on its behalf by Bats Trading shall be cleared and settled, using the relevant sponsoring Exchange Member's mnemonic (or its clearing firm's mnemonic, as applicable) and such Exchange Member retains responsibility for the clearance and settlement of all such orders.
- 6. Information.**

 - (a) Confidentiality.** Both parties acknowledge that each party to this Routing Agreement may receive or have access to other proprietary or confidential information disclosed and reasonably understood as confidential by the disclosing party (collectively, the "Information"). The receiving party will use the disclosing party's Information solely to perform its obligations under this Routing Agreement. The receiving party will take all precautions necessary to safeguard the confidentiality of the disclosing party's Information, including without limitation: (i) those taken by the receiving party to protect its own confidential information; and (ii) those which the disclosing party may reasonably request from time to time. Bats Trading will not disclose the identity of User or User's customers to any of Exchange's other Members or to any third parties in connection with orders, trades and other messages and instructions entered or executed by User on Exchange, except as required by a court or regulatory or self-regulatory authority with jurisdiction over Bats Trading, Exchange or User, or to facilitate the clearance and settlement of a trade, or with written permission from User.

(b) **Disclosure.** The receiving party will not disclose, in whole or in part, the disclosing party's Information to any person, except as specifically authorized under this Routing Agreement. If applicable, User may not disclose any data or compilations of data made available to User by Bats Trading without the express, prior written authorization of Bats Trading. The receiving party may also disclose Information in accordance with its regulatory obligations.

(c) **Unauthorized Use or Disclosure.** The parties acknowledge that any unauthorized use or disclosure of the disclosing party's Information may cause irreparable damage to the disclosing party. If an unauthorized use or disclosure occurs, the receiving party will immediately notify the disclosing party and take at its expense all steps necessary to recover the disclosing party's Information and to prevent its subsequent unauthorized use or dissemination, including availing itself of actions for seizure and injunctive relief. If the receiving party fails to take these steps in a timely and adequate manner, the disclosing party may take them at the receiving party's expense, and the receiving party will provide the disclosing party with its reasonable cooperation in such actions that the disclosing party may request.

(d) **Limitation.** The receiving party will have no confidentiality obligation with respect to any portion of the disclosing party's Information that: (i) the receiving party independently developed before receiving the Information from the disclosing party; (ii) the receiving party lawfully obtained from a third party under no obligation of confidentiality; (iii) is or becomes available to the public other than as a result of an act or omission of the receiving party or any of its employees; or (iv) the receiving party is compelled to disclose by law, regulation or legal process provided by a court of competent jurisdiction or other governmental entity to whose jurisdiction the receiving party is subject.

7. Term of Agreement. This Routing Agreement will be effective as of the date executed by Bats Trading on the signature page hereof and will remain in effect thereafter until terminated by either party upon notice to the other party. Termination will be effective at the close of trading in the affected markets and applications on the day that notice of termination is received by the other party hereto. Bats Trading may terminate this Routing Agreement with written notice if: (i) User is in breach of this Routing Agreement for any reason; (ii) any representations made by User in connection with this Routing Agreement or the User Agreement are or become false or misleading; or (iii) User is no longer a Member or Sponsored Participant of Exchange or otherwise authorized to access Exchange. Upon the termination of this Routing Agreement or the User Agreement for any reason, all rights granted to User hereunder will cease. The following Sections will survive the termination or expiration of this Routing Agreement for any reason: 6, 8, 9, 10, 11, 12, 15 and 17. In no event will termination of this Routing Agreement relieve User of any obligations incurred prior to the termination or through its use of or connection to Exchange.

8. Indemnity. User agrees to indemnify, defend and hold Bats Trading harmless from and against any and all claims, demands, losses, costs, expenses, obligations, liabilities, damages, recoveries, and deficiencies, including interest, penalties, and attorneys' fees, arising from or as a result of User's breach of its obligations under this Routing Agreement or otherwise from its use of Bats Trading routing services, unless such claims, demands, losses, costs, expenses, obligations, liabilities, damages, recoveries, and deficiencies arise from Bats Trading's willful misconduct, fraud or breach of Bats Trading's obligations under this Routing Agreement.

9. Indemnification by Bats Trading. Bats Trading agrees to indemnify, defend and hold harmless User and its subsidiaries, affiliates and its and their respective officers, directors, employees, and agents from and against all expenses and costs and damages (including any legal fees and expenses), direct, consequential, and/or incidental in nature, claims, demands, proceedings, suits, and actions, and all liabilities resulting from, in connection with, or arising out of any third party claim that the order routing services of Bats Trading, or User's use thereof, infringes any copyright, patent, trademark, trade secret or other intellectual property right.

10. DISCLAIMER OF WARRANTY. ROUTING SERVICES ARE PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND. ALL WARRANTIES, CONDITIONS, REPRESENTATIONS, INDEMNITIES AND GUARANTEES WITH RESPECT TO THE ROUTING SERVICE, WHETHER EXPRESS, IMPLIED, OR STATUTORY, ARISING BY LAW, CUSTOM, PRIOR ORAL OR WRITTEN STATEMENTS BY BATS TRADING, EXCHANGE OR ITS OR THEIR AGENTS, AFFILIATES, LICENSORS OR OTHERWISE (INCLUDING, BUT NOT LIMITED TO ANY WARRANTY OF SATISFACTORY QUALITY, ACCURACY, UNINTERRUPTED USE, TIMELINESS, TRUTHFULNESS, SEQUENCE, COMPLETENESS, MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE OR NON-INFRINGEMENT AND ANY IMPLIED WARRANTIES ARISING FROM TRADE USAGE, COURSE OF DEALING OR COURSE OF PERFORMANCE) ARE HEREBY OVERRIDDEN, EXCLUDED AND DISCLAIMED.

11. NO LIABILITY FOR TRADES. ABSENT FRAUD OR WILLFUL MISCONDUCT BY BATS TRADING OR A CLAIM ARISING OUT OF BATS TRADING'S INDEMNIFICATION OBLIGATION, USER UNDERSTANDS AND AGREES THAT BATS TRADING IS NOT LIABLE UNDER THIS ROUTING AGREEMENT TO ANY PERSON (INCLUDING WITHOUT LIMITATION USER AND ANY PERSON FOR WHOM USER IS AUTHORIZED TO TRADE OR ACT) FOR THE FAILURE OF ANY PERSON ENTERING INTO A TRADE OR TRANSACTION BY MEANS OF EXCHANGE TO PERFORM SUCH PERSON'S SETTLEMENT OR OTHER OBLIGATIONS UNDER SUCH TRADE OR TRANSACTION. ABSENT FRAUD OR WILLFUL MISCONDUCT BY BATS TRADING OR A CLAIM ARISING OUT OF BATS TRADING'S INDEMNIFICATION OBLIGATION, NEITHER BATS TRADING, OR ITS AGENTS, AFFILIATES OR LICENSORS WILL BE LIABLE FOR ANY LOSSES, DAMAGES, OR OTHER CLAIMS, ARISING OUT OF THE ROUTING SERVICE OR ITS USE. ANY LOSSES, DAMAGES, OR OTHER CLAIMS, RELATED TO A FAILURE OF BATS TRADING TO DELIVER, DISPLAY, TRANSMIT, EXECUTE, COMPARE, SUBMIT FOR CLEARANCE AND SETTLEMENT, OR OTHERWISE PROCESS AN ORDER, MESSAGE, OR OTHER DATA ENTERED INTO, OR CREATED BY, EXCHANGE WILL BE ABSORBED BY USER OR THE MEMBER SPONSORING USER, THAT ENTERED THE ORDER, MESSAGE OR OTHER DATA INTO EXCHANGE. NOTWITHSTANDING THE FOREGOING, BATS TRADING AS A FACILITY OF THE EXCHANGE MAY BE LIABLE TO USER TO THE EXTENT SUCH LIABILITY ARISES BASED ON THE EXCHANGE RULE CURRENTLY NUMBERED 11.12 (LIMITATION OF LIABILITY), AS SUCH RULE MAY BE AMENDED OR RE-NUMBERED FROM TIME TO TIME.

12. NO CONSEQUENTIAL DAMAGES. ABSENT FRAUD OR WILLFUL MISCONDUCT BY BATS TRADING OR A CLAIM ARISING OUT OF BATS TRADING'S INDEMNIFICATION OBLIGATION, UNDER NO CIRCUMSTANCES WILL BATS TRADING OR ITS AGENTS, AFFILIATES OR LICENSORS BE LIABLE FOR ANY LOSS, DAMAGE, CLAIM OR EXPENSE, INCLUDING WITHOUT LIMITATION ANY DIRECT, CONSEQUENTIAL, INDIRECT, SPECIAL, PUNITIVE OR INCIDENTAL DAMAGES OR LOST PROFITS, WHETHER FORESEEABLE OR UNFORESEEABLE, BASED ON USER'S CLAIMS OR THE CLAIMS OF ITS CUSTOMERS, EMPLOYEES OR AGENTS (INCLUDING, BUT NOT LIMITED TO, CLAIMS FOR LOSS OF DATA, GOODWILL, USE OF MONEY OR USE OF ROUTING SERVICES, INTERRUPTION IN USE OR AVAILABILITY OF BATS TRADING, STOPPAGE OF OTHER WORK OR IMPAIRMENT OF OTHER ASSETS), ARISING OUT OF BREACH OR FAILURE OF EXPRESS OR IMPLIED WARRANTY, BREACH OF CONTRACT, MISREPRESENTATION, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE. THIS SECTION WILL NOT APPLY ONLY WHEN AND TO THE EXTENT THAT APPLICABLE LAW SPECIFICALLY REQUIRES LIABILITY, DESPITE THE FOREGOING EXCLUSION AND LIMITATION. NOTWITHSTANDING THE FOREGOING, BATS TRADING AS A FACILITY OF THE EXCHANGE MAY BE LIABLE TO USER TO THE EXTENT SUCH LIABILITY ARISES BASED ON THE EXCHANGE RULE CURRENTLY NUMBERED 11.12 (LIMITATION OF LIABILITY), AS SUCH RULE MAY BE AMENDED OR RE-NUMBERED FROM TIME TO TIME.

13. Assignment. User shall not assign, delegate or otherwise transfer this Routing Agreement or any of its rights or obligations hereunder without Bats Trading's prior approval, which will not be unreasonably withheld. Bats Trading may, as permitted by the Act, assign or transfer this Routing Agreement or any of its rights or obligations hereunder to a related or unrelated party upon notice to User.

14. Force Majeure. Notwithstanding any other term or condition of this Routing Agreement to the contrary, neither Bats Trading nor User will be obligated to perform or observe their obligations undertaken in this Routing Agreement if prevented or hindered from doing so by any circumstances found to be beyond their control.

15. Arbitration. In connection with the following agreement to arbitrate, each party understands that: (i) arbitration is final and binding on the parties; (ii) the parties are waiving their right to seek remedies in court, including the right to jury trial; (iii) pre-arbitration discovery is generally more limited than and different from court proceedings; (iv) the arbitrators' award is not required to include factual findings or legal reasoning, and any party's right to appeal or seek modification of rulings by the arbitrators is strictly limited; and (v) the panel of arbitrators will typically include a minority of arbitrators who were or are affiliated with the securities industry. Subject to the preceding disclosures, each party agrees that any controversy arising out of or relating to this Routing Agreement or the breach thereof will be resolved and settled by arbitration under the auspices of FINRA Dispute Resolution or in accordance with such other rules and procedures as are agreed to by the parties. The arbitration proceeding shall be conducted in New York, New York, unless otherwise agreed to by the parties. Judgment upon arbitration may be entered in any court, state or federal, having jurisdiction; provided, however, that nothing herein will prevent either party from: (i) petitioning a regulatory body regarding a matter in question over which the regulatory body has administrative jurisdiction; or (ii) pursuing injunctions before any administrative or judicial forum provided that all monetary and other relief is submitted for arbitration.

16. **Amendment.** Bats Trading, or Exchange on its behalf, may amend any term or condition of this Routing Agreement on one hundred and twenty (120) days' written notice to User (which notice may be provided by way of a circular issued to Members of the Exchange generally). User may object in writing to the proposed amendment by providing a written response to the address specified above, such response stating in reasonable detail the basis of the objection. Such response shall be received no later than sixty (60) days after the date that Exchange distributed the initial notice. Bats Trading, or Exchange on its behalf, will respond to User's timely objection in writing within thirty (30) days of receipt and will use reasonable efforts thereafter to meet with the objecting User (in person or by phone) to discuss in good faith any potential resolution. Otherwise, any use by User of the routing services provided by Bats Trading after the expiration of the one hundred and twenty (120) day notice period shall be deemed acceptance by User of the amendment. User may not alter any terms and conditions of this Routing Agreement, and no modification to this Routing Agreement proposed by User will be binding, unless in writing and manually signed by an authorized representative of each party.

17. **Miscellaneous.** All notices or approvals required or permitted under this Routing Agreement must be given in writing to Bats Trading at 8050 Marshall Drive, Suite 120, Lenexa, Kansas 66214, or to User at its last reported principal office address. Any waiver or modification of this Routing Agreement will not be effective unless executed in writing and signed by the other party. This Routing Agreement will bind each party's successors-in-interest. This Routing Agreement will be governed by and interpreted in accordance with the internal laws of the State of New York, USA. For all matters not subject to Section 15 (Arbitration) above, both parties submit to the jurisdiction of the state and federal courts in and for the State of New York, USA for the resolution of any dispute arising under this Routing Agreement. If any provision of this Routing Agreement is held to be unenforceable, in whole or in part, such holding will not affect the validity of the other provisions of this Routing Agreement. This Routing Agreement, together with the applicable Exchange Rules, constitutes the complete and entire statement of all conditions and representations of the agreement between Bats Trading and User with respect to its subject matter and supersedes all prior writings or understandings.

IN WITNESS WHEREOF the parties hereto have caused this Routing Agreement to be executed by their duly authorized officers.

User: _____

Bats Trading, Inc.

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Date: _____

Bats Global Markets, Inc. Market Maker Registration Application

Members applying to become Market Makers registered with Bats BZX Exchange, Inc. (BZX), Bats BYX Exchange, Inc. (BYX), Bats EDGA Exchange, Inc. (EDGA) and Bats EDGX Exchange, Inc. (EDGX) (each, an "Exchange") are required to complete this Market Maker Registration Application. The Exchange may require additional information from any Applicant prior to determining whether to register such Applicant as a Market Maker.

To apply, please complete this Market Maker Registration Application and submit with all required supplementary materials via email to MembershipServices@bats.com or mail to:

c/o Bats Global Markets, Inc.
Attn: Membership Services
8050 Marshall Drive, Suite 120
Lenexa, KS 66214

Applicants are required to update any information submitted in the application when and if it becomes inaccurate or incomplete after submission.

GENERAL INFORMATION		
Date:	CRD #:	
Name of Applicant:		
Address of Principal Office:		
City:	State:	Zip:
OTHER BUSINESS ACTIVITIES		
<input type="checkbox"/> Investment Banking <input type="checkbox"/> Public Securities Business <input type="checkbox"/> Proprietary Trading <input type="checkbox"/> Market Maker <input type="checkbox"/> Dealer/Specialist <input type="checkbox"/> Other: _____		
If the Applicant is a Market Maker or Dealer/Specialist, please provide a list of the registered national securities exchange(s) or association(s) on which the Applicant has been approved as such:		
SECURITIES		
Estimate the number of securities in which the Applicant intends to become registered as a Market Maker: _____		
NET CAPITAL		
Excess Net Capital Amount: _____ As of Date: _____		
<input type="checkbox"/> Most recent Quarterly FOCUS Report enclosed - required		

MARKET MAKER AUTHORIZED TRADERS (MMATs)

To be eligible for registration as a MMAT, as defined in BZX, BYX, EDGA and EDGX Rule 1.5(l), a person must successfully complete proficiency examinations and continuing education requirements applicable to Authorized Traders, as set forth in Interpretation and Policies .01 and .02 to Exchange Rule 2.5¹. Market Makers must maintain a current list of MMATs who are permitted to enter orders on behalf of the Market Maker pursuant to BZX and BYX Rule 11.8(a)(4), EDGA and EDGX Rule 11.20(a)(4).

Name: _____ CRD #: _____

Series 7 Qualification Series 57 Qualification Other: _____

Seeking registration on: BZX Exchange BYX Exchange EDGA Exchange EDGX Exchange

Will a web log-in be required for this individual? Yes No

If yes, please provide the information below:

Email address: _____ Phone Number: _____

Name: _____ CRD #: _____

Series 7 Qualification Series 57 Qualification Other: _____

Seeking registration on: BZX Exchange BYX Exchange EDGA Exchange EDGX Exchange

Will a web log-in be required for this individual? Yes No

If yes, please provide the information below:

Email address: _____ Phone Number: _____

Name: _____ CRD #: _____

Series 7 Qualification Series 57 Qualification Other: _____

Seeking registration on: BZX Exchange BYX Exchange EDGA Exchange EDGX Exchange

Will a web log-in be required for this individual? Yes No

If yes, please provide the information below:

Email address: _____ Phone Number: _____

Name: _____ CRD #: _____

Series 7 Qualification Series 57 Qualification Other: _____

Seeking registration on: BZX Exchange BYX Exchange EDGA Exchange EDGX Exchange

Will a web log-in be required for this individual? Yes No

If yes, please provide the information below:

Email address: _____ Phone Number: _____

¹ In exceptional cases and where good cause is shown, the Exchange may waive such requirement. Contact Membership Services at 913.815.7002 for more information regarding requesting a waiver of the proficiency exam requirement.

MARKET MAKER RESTRICTIONS

Restrictions apply to a Market Maker registered in a UTP Derivative Security that derives its value from any of the following: one or more currencies, commodities, derivatives based on one or more currencies or commodities, or a basket or index comprised of currencies or commodities (collectively, "Reference Assets"). BZX Rule 14.11(j)(5) and BYX, EDGA and EDGX Rule 14.1(c)(5) require a Market Maker registered in a UTP Derivative Security to file with the respective Exchange(s) and keep a current list identifying all accounts for trading Reference Assets or any derivative instruments based on a Reference Asset of that UTP Derivative Security, which the Applicant: (1) holds an interest; (2) has investment discretion; or (3) shares in the profits and/or losses.

If the applicant intends to become a registered Market Maker in a UTP Derivative Security, please submit a current list of accounts in which the underlying physical asset or commodity, related futures or options on futures, or any other related derivatives are traded to the Regulatory Department at Surveillance@bats.com.

The undersigned attests that the information provided in this application on behalf of the Applicant is complete and accurate. Furthermore, the undersigned acknowledges that the Applicant agrees to update the application as necessary, and to abide by all rules of the Exchange, and interpretations thereof, as they currently exist and as they may be added, supplemented and/or amended from time to time.

Signature of Authorized Officer, Partner, Managing
Member or Sole Proprietor

Printed Name

Title

Date

Bats EDGX Exchange, Inc.
Retail Member Organization Application

The completion of this application is required in order to be qualified by Bats EDGX Exchange, Inc. (the "Exchange" or "EDGX") as a Retail Member Organization ("RMO") and submit Retail Orders.

A "Retail Order" is an agency order or riskless principal order that meets the criteria of FINRA Rule 5320.03 that originates from a natural person and is submitted to EDGX by an RMO, provided that no change is made to the terms of the order with respect to price or side of market and the order does not originate from a trading algorithm or any other computerized methodology. For purposes of this application, the term "natural person" refers to the origination of the order from a request made by a human as opposed to the generation of an order by a computer algorithm. An order from a natural person can include an order on behalf of an account held in a corporate legal form, such as an Individual Retirement Account, a Corporation, or a Limited Liability Corporation that has been established for the benefit of an individual or group of related family members, provided that the order originates from an individual.

If an RMO uses an algorithm to determine to send an existing Retail Order to the Exchange, such order is acceptable and is not deemed to have originated from a trading algorithm strictly as a result of the brokerage firm's algorithm, provided that the RMO assures that the Retail Order meets the underlying rule requirements, including that the routing algorithm does not change the terms of the order with respect to price or side of the market. Additionally, the Retail Order provision preventing changes to the terms of the order (e.g., price or side) is not meant to prevent an RMO from ensuring a better execution experience for the retail customer, such as by adding a limit to a Retail Order.

See EDGX Rule 11.21 for a full definition of terms and requirements.

GENERAL INFORMATION		
Name of Applicant:		WebCRD #:
Address of Principal Office:		
City:	State:	Zip:
MPID(s) used to submit Retail Orders:		
Members sending Retail Orders may elect that their display-eligible orders be included in the Exchange's proprietary data feeds as Attributable Orders utilizing a generic "RTAL" designation on either an order-by-order basis or by establishing a port-level default. Please contact the Trade Desk at 913.815.7001 or TradeDesk@bats.com if you will be requesting that a specific port be designated with the "RTAL" identifier.		
BUSINESS CONTACT		
Name:	Email:	
Title:	Phone:	
BUSINESS DESCRIPTION		
Please describe the current business structure of the division within your Firm that qualifies you as an RMO (attach an additional sheet if more space is needed):		

Please provide supporting documentation sufficient to demonstrate the retail nature and characteristics of your order flow. Examples of this supporting documentation may include sample marketing literature, website screenshots and other publicly disclosed materials describing the retail nature of your order flow, and such other documentation and information as the Exchange may require to obtain reasonable assurance that your order flow would meet the requirements of the Retail Order definition. Additionally, please provide a copy of your Written Supervisory Procedures (WSPs) related to the requirements set forth in EDGX Rule 11.21.

Applicant has attached supporting documentation, including WSPs (required)

RMO SUPERVISORY REQUIREMENTS

By executing this Application, the Applicant attests that substantially all orders submitted by the Applicant as Retail Orders would meet the qualifications for such orders under EDGX Rule 11.21. Applicant further attests that it has in place WSPs pursuant to Rule 11.21. Such WSPs require Applicant to:

- (i) exercise due diligence before entering a Retail Order to assure that entry as a Retail Order is in compliance with the requirements of this Rule, and
- (ii) monitor whether orders entered as Retail Orders meet the applicable requirements.

In addition, if Applicant does not itself conduct a retail business but routes Retail Orders on behalf of another broker-dealer, Applicant's WSPs must be reasonably designed to assure that the orders it receives from such other broker-dealer that are designated as Retail Orders meet the definition of a Retail Order. The Applicant must:

- (i) obtain an annual written representation from each other broker-dealer that sends the Applicant orders to be designated as Retail Orders that entry of such orders as Retail Orders will be in compliance with the requirements of this Rule (a form acceptable to the Exchange for such annual written representation is attached hereto); and
- (ii) monitor whether Retail Order flow routed on behalf of such other broker-dealers meets the applicable requirements.

Applicant

Signature of Authorized Officer, Partner, Managing
Member or Sole Proprietor

Date

Print Name

Title

Bats EDGX Exchange, Inc.
Retail Member Organization - Broker-Dealer Customer Agreement

If you do not conduct a retail business but are routing retail order flow on behalf of one or more other broker-dealers, your firm is required to maintain an agreement with each firm. For purposes of EDGX rules, conducting a retail business includes carrying retail customer accounts on a fully disclosed basis.

This Agreement has been created for your convenience as an alternative to creating your own agreement. It should be kept for your files.

1. This Retail Member Organization - Broker-Dealer Customer Agreement (the "Agreement") is between _____, (the "RMO") and _____, (the "Customer"), which is a registered broker-dealer.
2. This Agreement authorizes the RMO to route Retail Orders and modifications to EDGX on behalf of Customer pursuant to EDGX Rule 11.21.
3. By executing this Agreement, Customer represents that it will only send orders to the RMO that are to be designated as Retail Orders if the entry of such orders to EDGX will be in compliance with the requirements of Rule 11.21. Customer represents that it will designate orders as Retail Orders if the order is an agency order or riskless principal order that meets the criteria of FINRA Rule 5320.03 that originates from a natural person, provided that no change has been made to the terms of the order with respect to the side of market, and the order does not originate from a trading algorithm or any other computerized methodology. Customer further represents that it will maintain written supervisory procedures reasonably designed to assure that it will only designate orders as Retail Orders if the requirements of a retail order are met. Customer agrees to attest annually that it continues to comply with the conditions outlined in this paragraph.

Retail Member Organization

Customer

Signature

Signature

Print Name

Print Name

Title (must be an officer)

Title (must be an officer)

Name of Member Organization

Name of Customer

WebCRD #

WebCRD #

Date

Date

Bats EDGX Exchange, Inc.
Broker-Dealer Customer Annual Attestation

If you do not conduct a retail business but are routing retail order flow on behalf of one or more other broker-dealers, your firm is required to obtain an annual written attestation from each firm. For purposes of EDGX rules, conducting a retail business includes carrying retail customer accounts on a fully disclosed basis.

This Attestation has been created for your convenience and represents a form of Attestation acceptable to the Exchange. Copies of this Attestation should be kept for your files.

1. In connection with the Retail Member Organization Application of _____ (the "RMO") and pursuant to EDGX Rule 11.21, the undersigned ("Customer") represents that it is a Broker-Dealer Customer of the RMO and sends orders to the RMO pursuant to the Retail Member Organization - Broker-Dealer Customer Agreement.

2. By executing this Attestation, Customer hereby certifies the following:
 - (a) It only sends orders to the RMO that are designated as Retail Orders and are in compliance with the requirements of EDGX Rule 11.21.
 - (b) It designates orders as Retail Orders if the order is an agency order or riskless principal order that meets the criteria of FINRA Rule 5320.03 that originates from a natural person, provided that no change has been made to the terms of the order with respect to the side of market, and the order does not originate from a trading algorithm or any other computerized methodology.
 - (c) It maintains written supervisory procedures reasonably designed to assure that it will only designate orders as Retail Orders if the requirements of a retail order are met.

Customer

Signature

Print Name

Title (must be an officer)

Name of Customer

WebCRD #

Date

Bats Global Markets, Inc.
User Agreement Addendum to Permit Attribution

This User Agreement Addendum to Permit Attribution (this "Addendum"), with an effective date as of the date executed on the signature page hereof, is made by and between Bats Global Markets, Inc. ("BGM"), on behalf of its wholly-owned subsidiaries Bats BZX Exchange, Inc. (BZX), Bats BYX Exchange, Inc. (BYX), Bats EDGA Exchange, Inc. (EDGA) and Bats EDGX Exchange, Inc. (EDGX) (each, an "Exchange") and the user referenced below ("User"). Capitalized terms used but not defined in this Addendum shall have the meaning set forth in the User Agreement by and between the Exchange and User (the "User Agreement").

User's execution of this Addendum is optional. By signing this form, User authorizes attribution of Covered Data (as defined below) in Exchange data products and/or on the Exchange's public website.

An executed version of this Addendum can be delivered to the Exchange via email to MembershipServices@bats.com or mail to:

c/o Bats Global Markets, Inc.
Attn: Membership Services
8050 Marshall Drive, Suite 120
Lenexa, KS 66214.

TERMS OF ADDENDUM

Whereas, the Exchange provides certain services to User pursuant to the User Agreement and User desires to continue to use such services as modified below. For good and valuable consideration, User and BGM, on behalf of the Exchange, agree as follows:

1. Scope. This Addendum shall be deemed to be a supplement to the User Agreement and all terms and provisions of the User Agreement which are not expressly overridden by the terms and conditions of this Addendum shall be incorporated herein by reference. This Addendum shall only apply to the Trading Platform(s), Attribution Type(s) and Attributed MPIDs selected by User below (collectively, the "Covered Data").

Trading Platform: User limits the applicability of this Addendum to the following Exchange trading platform(s):

- Bats BZX Exchange, Inc. (Equities)
- Bats BZX Exchange, Inc. (Options)
- Bats BYX Exchange, Inc.
- Bats EDGA Exchange, Inc.
- Bats EDGX Exchange, Inc. (Equities)

Attribution Type: User limits the applicability of this Addendum to the following types of attribution:

- Allow Use of User's Identity in connection with its Aggregate Volume Ranking Relative to other Users
- Allow Quote Attribution

Attributed MPIDs: User limits the applicability of this Addendum to the following MPIDs:

- Aggregate all User MPIDs Limit Attribution to Selected MPIDs: _____

2. Modification of User Agreement. The parties acknowledge that the User Agreement, including but not limited to Sections 8 and 10, requires the Exchange to keep User's identity confidential and would preclude the Exchange from publishing any information regarding information and data that User or User's agent enters into the Exchange. Notwithstanding such provisions, User hereby grants to the Exchange a non-exclusive, non-assignable, non-transferable, worldwide, revocable license to receive and use Covered Data (as defined by User's selection(s), above) within Exchange market data products and/or on the Exchange's public website even if such use of Covered Data is inconsistent with the terms of the User

Agreement. The license granted hereunder shall remain in effect for the term of the User Agreement, unless this Addendum is terminated earlier by User or Exchange upon 30 days written notice to the other party.

IN WITNESS WHEREOF the parties hereto have caused this Addendum to be executed by their duly authorized officers.

User: _____

Bats Global Markets, Inc.

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Date: _____

Bats Global Markets, Inc.
Volume Aggregation and Execution Detail Request

This request for volume aggregation and detailed execution information is made to Bats BZX Exchange, Inc. (BZX), Bats BYX Exchange, Inc. (BYX), Bats EDGA Exchange, Inc. (EDGA), and Bats EDGX Exchange, Inc. (EDGX) (each, an "Exchange") by the Members noted below. This request should be completed by Members who are affiliated as evidenced on each Member's Form BD or who have been appointed as an Appointed Order Entry Firm / Appointed Market Maker pursuant to the Exchange's fee schedule. "Affiliate" shall mean any entity that, from time to time, directly or indirectly, Controls, is Controlled by, or is under common Control with such party. "Control" means the power to direct or cause the direction of the management of policies of another entity, whether through the ownership of voting securities, by contract, or otherwise.

The Members noted below would like to request aggregation of all equities and options volume submitted to the Exchange by each Member with an approved trading ID. Additionally, the Members request detailed execution information for all aggregated volume. By signing below, each Member acknowledges and agrees that the other Member will have access to the same information and releases each Exchange from any liability associated with providing detailed execution information.

An executed version of this Request can be delivered to the Exchange via email to MembershipServices@bats.com or mail to:

c/o Bats Global Markets, Inc.
Attn: Membership Services
8050 Marshall Drive, Suite 120
Lenexa, KS 66214

Member Name:	CRD #:
_____	_____
Signature of Authorized Officer, Partner, Managing Member or Sole Proprietor	Date
_____	_____
Printed Name	Title

Member Name:	CRD #:
_____	_____
Signature of Authorized Officer, Partner, Managing Member or Sole Proprietor	Date
_____	_____
Printed Name	Title

Bats Global Markets, Inc.
Direct Debit Opt-In Form

The Depository Trust & Clearing Corporation offers a Direct Debit program that allows Exchanges to bill their Members directly through the Clearing Firm's account. Bats BZX Exchange, Inc. (BZX), Bats BYX Exchange, Inc. (BYX), Bats EDGA Exchange, Inc. (EDGA) and Bats EDGX Exchange, Inc. (EDGX) (each, an "Exchange") use this process to bill Section 31 Fees (mandatory direct debit) and Transaction Fees (optional direct debit).

To Opt-In for Direct Debit of Transaction Fees, this Form must be completed for each Member/Clearing Firm relationship. An executed version of this Form can be delivered to the Exchange via email to MembershipServices@bats.com or mail to:

c/o Bats Global Markets, Inc.
Attn: Membership Services
8050 Marshall Drive, Suite 120
Lenexa, KS 66214

All Transaction Fee invoices that result in a credit due to the Member will be cleared during the Exchange's regular rebate processing. These payments can be in the form of a check or ACH, according to the Member's preference.

Trading Platform(s), check all that apply:

- Bats BZX Exchange, Inc.
- Bats BYX Exchange, Inc.
- Bats EDGA Exchange, Inc.
- Bats EDGX Exchange, Inc.

MPID(s), list all that apply attaching additional page(s) as necessary:

Member Name

Signature of Authorized Officer, Partner or Managing Member or Sole Proprietor

Printed Name / Title

Date

Clearing Firm Name / NSCC #

Signature of Authorized Officer, Partner or Managing Member or Sole Proprietor

Printed Name / Title

Date

Bats Global Markets, Inc.
Non-Member Clearing Firm Information Document

INFORMATION DOCUMENT – To be completed by the Non-Member Clearing Firm of Members of Bats BZX Exchange, Inc. (BZX), Bats BYX Exchange, Inc. (BYX), Bats EDGA Exchange, Inc. (EDGA) and/or Bats EDGX Exchange, Inc. (EDGX) (each, an “Exchange”).

The undersigned Clearing Firm represents that it is a member of the National Securities Clearing Corporation (“NSCC”), a clearing agency registered with the Securities Exchange Commission pursuant to Section 17A of the Securities Exchange Act of 1934. The undersigned further represents that it is requesting to have its NSCC participant number added to the Exchange’s system to facilitate clearance and settlement of transactions made by Members of the Exchange.

An executed version of this Document can be delivered to the Exchange via email to MembershipServices@bats.com or mail to:

c/o Bats Global Markets, Inc.
 Attn: Membership Services
 8050 Marshall Drive, Suite 120
 Lenexa, KS 66214.

GENERAL INFORMATION		
Clearing Firm Name:		NSCC #:
Address of Principal Office:		
City:	State:	Zip:
BUSINESS CONTACT		
Name:		Email:
Title:		Phone:
CLEARING LETTER OF GUARANTEE CONTACT		
Name:		Email:
Title:		Phone:
CLEARING BREAKS CONTACT		
Name:		Email:
Title:		Phone:

 Signature of Authorized Officer, Partner or Managing
 Member or Sole Proprietor of Clearing Firm

 Printed Name / Title

 Date

Bats Global Markets, Inc.
Sponsored Access Application

In order to join Bats BZX Exchange, Inc. (BZX), Bats BYX Exchange, Inc. (BYX), Bats EDGA Exchange, Inc. (EDGA) and Bats EDGX Exchange, Inc. (EDGX) (each, an "Exchange") as a Sponsored Participant, an Applicant and their Sponsoring Member must complete and submit all materials listed on the Application Checklist below via email to MembershipServices@bats.com or mail to:

c/o Bats Global Markets, Inc.
Attn: Membership Services
8050 Marshall Drive, Suite 120
Lenexa, KS 66214

APPLICATION CHECKLIST
<input type="checkbox"/> Sponsored Access Application, including <ul style="list-style-type: none">• Sponsoring Member Consent• Sponsored Participant Agreement
<input type="checkbox"/> A detailed description of how the Sponsoring Member will comply with the requirements of SEC Rule 15c3-5: <i>Risk Management Controls for Brokers or Dealers with Market Access</i>
<input type="checkbox"/> A copy of the Sponsoring Member's Policies and Procedures, specifically addressing SEC Rule 15c3-5
<input type="checkbox"/> User Agreement – per Exchange
<input type="checkbox"/> Securities Routing Agreement – per Exchange

Note: All application materials sent to the Exchange will be reviewed for completeness. All applications are deemed confidential and are handled in a secure environment. Applications may, however, be shared with other self-regulatory organizations (e.g., FINRA), as necessary, to evaluate and process the application.

The Exchange may request Applicants to submit documentation in addition to what is listed in the Application Checklist during the application review process. If you have questions on completing the application, you may direct them to Membership Services at MembershipServices@bats.com or 913.815.7002.

Bats Global Markets, Inc. Sponsored Access Application

SPONSORING MEMBER INFORMATION			SPONSORING MEMBER BUSINESS CONTACT		
Firm:			Name:		
Address:			Email:		
City:	State:	Zip:	Phone:		
SPONSORED PARTICIPANT INFORMATION			SPONSORED PARTICIPANT BUSINESS CONTACT		
Firm:			Name:		
Address:			Email:		
City:	State:	Zip:	Phone:		
SPONSORED PARTICIPANT BILLING ADDRESS			SPONSORED PARTICIPANT BILLING CONTACT		
Firm:			Name:		
Address:			Email:		
City:	State:	Zip:	Phone:		

PORT SELECTION
Port Type/Quantity: <input type="checkbox"/> BOE _____ <input type="checkbox"/> FIX _____ <input type="checkbox"/> DROP _____ <input type="checkbox"/> FIX DROP _____ Is the Sponsored Participant allowed to enter Short Sales? <input type="checkbox"/> Yes <input type="checkbox"/> No Is the Sponsored Participant allowed to enter Intermarket Sweep Orders? <input type="checkbox"/> Yes <input type="checkbox"/> No What is the maximum dollar value per order? \$ _____
CONNECTIVITY
Which connectivity option will the Sponsored Participant use? (check one) <input type="checkbox"/> Cross Connect <input type="checkbox"/> Extranet: _____ <input type="checkbox"/> VPN (certification only) What type of connection(s) is the Sponsored Participant requesting? <input type="checkbox"/> Certification <input type="checkbox"/> Production

CLEARING (EQUITIES AND/OR OPTIONS)
Please list the MPID/NSCC # that the Sponsored Participant is permitted to use: _____ / _____ Please list the Executing Firm ID/OCC # that the Sponsored Participant is permitted to use: _____ / _____

AUTHORIZATION	
This form is governed by all terms and conditions set forth in the BZX, BYX, EDGA and/or EDGX Sponsored Access Application and Agreements. The Exchange provides a best effort attempt to cancel all open orders from a Member/Sponsored Participant upon a communications disconnect. There is no guarantee that the automatic cancel feature provided by the Exchange will be error free or will operate without interruption. By signing below, you agree and acknowledge that the Exchange is not liable or responsible in any way for any orders which may fail to be cancelled using the automatic cancel feature. <i>Members may call the Bats Trade Desk at 913.815.7001 to verbally request that all open orders be cancelled or check the status of open orders.</i>	
Sponsoring Member Firm:	Date:
Printed Name/Title:	Signature:

Bats Global Markets, Inc.
Sponsoring Member Consent

We, _____, a Member of the Exchange, are hereby notifying the Exchange that we intend to be a Sponsoring Member providing access to a Sponsored Participant, as those terms are defined in Exchange Rule 11.3, by permitting the Sponsored Participant identified below to send orders directly to the Exchange using our mnemonic (or the mnemonic of our clearing broker, as applicable).

We acknowledge and agree that we are responsible for all orders entered on or through the Exchange by the Sponsored Participant and any person acting on behalf of or in the name of such Sponsored Participant. We further acknowledge and agree that we must be identified on any order submitted by the Sponsored Participant as the Sponsoring Member of that order, and that any execution occurring as a result of an order entered by a Sponsored Participant shall be binding in all respects on us. In that regard, we acknowledge and agree that we are acting as agent for the person submitting the order through sponsored access, and as such, that we are responsible for all related contractual and regulatory obligations. We further acknowledge and agree that we are responsible for any and all actions taken by the Sponsored Participant or any person acting on behalf of or in the name of the Sponsored Participant on or through the Exchange.

In addition to Exchange Rule 11.3, we have further reviewed other provisions of the Rules of the Exchange and the terms of our User Agreement with the Exchange. The Sponsored Participant has agreed to comply with all applicable Rules of the Exchange governing the entry, execution, reporting, clearing and settling of orders in securities eligible for trading on the Exchange. We understand that we are required and agree to impose appropriate regulatory and supervisory procedures in connection with orders directed to the Exchange by the Sponsored Participant.

Sponsoring Member Name

CRD Number

Signature of Authorized Officer, Partner, Managing Member or Sole Proprietor

Date

Printed Name

Title

Bats Global Markets, Inc.
Sponsored Participant Agreement

On behalf of the Sponsored Participant, the undersigned agrees to comply with the Exchange Certificate of Incorporation, Bylaws, and Rules of the Exchange, and all written interpretations thereof, as if Sponsored Participant were a Member of the Exchange. These requirements include, but shall not be limited to, the items listed below.

The Sponsored Participant:

- shall enter into and maintain a User Agreement with the Exchange;
- shall enter into and maintain a Routing Agreement with Bats Trading, Inc., if it will use the routing services provided by that entity;
- shall maintain, keep current and provide to the Sponsoring Member, and to the Exchange upon request, a list of Authorized Traders who may obtain access to the System on behalf of the Sponsored Participant. Sponsored Participant shall be subject to the obligations of Exchange Rule 11.4 with respect to such Authorized Traders;
- shall familiarize its Authorized Traders with all of its obligations under Exchange Rule 11.3 and will assure that they receive appropriate training prior to any use or access to the Exchange;
- may not permit anyone other than Authorized Traders to use or obtain access to the Exchange;
- shall take reasonable security precautions to prevent unauthorized use or access to the Exchange, including unauthorized entry of information into the Exchange, or the information and data made available therein. Sponsored Participant understands and agrees that Sponsored Participant is responsible for any and all orders, trades and other messages and instructions entered, transmitted or received under identifiers, passwords and security codes of Authorized Traders, and for the trading and other consequences thereof;
- acknowledges its responsibility to establish adequate procedures and controls that permit it to effectively monitor its employees', agents', and customers' use and access to the Exchange for compliance with the terms of this agreement; and
- shall pay when due all amounts, if any, payable to Sponsoring Member, the Exchange or any other third parties that arise from the Sponsored Participant's access to and use of the Exchange. Such amounts include, but are not limited to applicable Exchange and regulatory fees.

Authorized Acknowledgement of Sponsored Participant:

The undersigned, as a duly appointed Officer, Partner, Managing Member, or Sole Proprietor of the applicant Sponsored Participant, does hereby acknowledge and agree to the terms and provisions of Exchange Rule 11.3, and shall comply with the Exchange Rules, as amended

Sponsored Participant Name

CRD Number (if applicable)

Signature of Authorized Officer, Partner, Managing Member or Sole Proprietor

Date

Printed Name

Title

Bats Global Markets, Inc.
Service Bureau Application and Agreements

SERVICE BUREAU INFORMATION

Firm:			
Address:			
City:		State:	Zip:
BUSINESS CONTACT		TECHNICAL CONTACT	
Name:		Name:	
Email:		Email:	
Phone:		Phone:	
BILLING ADDRESS		BILLING CONTACT	
Firm:		Name:	
Address:		Email:	
City:	State:	Zip:	Phone:

PORT SELECTION

Port Type/Quantity: BOE _____ FIX _____ DROP _____ FIX DROP _____

CONNECTIVITY

Which connectivity option will you use? (check one)

Cross Connect* Extranet: _____ VPN (certification only)

What type of connections are you requesting? Certification Production

*If requesting a cross connect, a Connectivity Services Agreement is also required.

AUTHORIZATION

This form is governed by all of the terms and conditions set forth in the Bats Global Markets, Inc. Service Bureau Application and Agreements. The persons listed above are the only individuals authorized to order or update services at Bats on behalf of the Service Bureau. Please contact Membership Services at 913.815.7002 or email MembershipServices@bats.com to add or delete authorized contacts.

Bats provides a best effort attempt to cancel all open orders from a Member/Service Bureau upon a communications disconnect. There is no guarantee that the automatic cancel feature provided by Bats will be error free or operate without interruption. By signing below, you agree and acknowledge that Bats is not liable or responsible in any way for any orders which may fail to be cancelled using the automatic cancel feature. *Members may call the Bats Trade Desk at 913.815.7001 to verbally request that all open orders be cancelled or check the status of open orders.*

Printed Name:	Signature:
Title:	Date:

Bats Global Markets, Inc.

Service Bureau Port Fee Agreement

This Service Bureau Port Fee Agreement (this "Agreement"), with an effective date as of the date executed below, is made by and between Bats Global Markets, Inc., a Delaware corporation, with its principal offices at 8050 Marshall Drive, Suite 120, Lenexa, Kansas 66214 ("Bats"), on behalf of itself and Bats BZX Exchange, Inc., Bats BYX Exchange, Inc., Bats EDGA Exchange, Inc., and Bats EDGX Exchange, Inc., each a Delaware corporation, and any other market subsidiary hereinafter created or acquired by Bats and operated by Bats or a subsidiary of Bats (collectively, the "Exchange"), and the Authorized Service Bureau referenced below ("Service Bureau").

1. Rights of Service Bureau. Bats has granted to Service Bureau the non-exclusive and non-transferable right to act as the Authorized Service Bureau for one or more Members of the Exchange pursuant to one or more Service Bureau Agreements.

2. Exchange Users and Data Recipients. If Service Bureau has entered into a User Agreement with the Exchange (as may be amended, modified or supplemented from time to time, the "User Agreement"), pursuant to which Service Bureau has the right to access the Exchange to, among other things, submit orders to the Exchange and/or has entered into a Bats Global Markets, Inc. Data Agreement with Bats Global Markets, Inc. (as may be amended, modified or supplemented from time to time, the "Data Agreement"), pursuant to which Service Bureau has the right to receive and redistribute data feeds, then this Agreement shall be deemed to be a supplement to such agreements and all terms and provisions of such agreements which are not expressly overridden by the terms and conditions of this Agreement shall be incorporated herein by reference.

3. All other Service Bureaus. If Service Bureau has not entered into a User Agreement or Data Agreement, by signing this Agreement, Service Bureau has the right to access the Exchange to act as an Authorized Service Bureau only if in conformity with the requirements expressly described below.

4. Port Fees. Service Bureau agrees to make timely payment of fees charged specifically for linking to Exchange in order to act as an Authorized Service Bureau on behalf of one or more Members of the Exchange, as well as any applicable late fees for the failure to make payment within the required time period. The amount of applicable Port Fees shall be set forth in Exchange Rules or posted on the Exchange's web site. Port Fees are payable within 30 days of the invoice date. Service Bureau will be solely responsible for any and all other telecommunications costs and all other expenses incurred in linking to and maintaining its link to, Exchange. Failure to make payments within 30 days from the invoice date may result in suspension or termination of the Service Bureau Agreement(s) between Exchange and Service Bureau. Service Bureau agrees to pay Exchange a late charge in the amount of 1% per month on all past due amounts that are not the subject of a legitimate and bona fide dispute. Subject to the Securities Exchange Act of 1934 (the "Act"), Exchange reserves the right to change its fee schedule, including Port Fees applicable to Service Bureau. Exchange will use commercially reasonable efforts to provide reasonable advance notice to Service Bureau of any such change to Port Fees, provided, however, that such notice shall be not less than 30 days prior to the effectiveness of the change, except to the extent a shorter period is: (i) required due to any situation that necessitates a change to Port Fees on an accelerated basis or otherwise precludes such advance notice, or (ii) required pursuant to an order of a court, an arbitrator or a regulatory agency.

4. Term and Termination. This Agreement, subject to earlier termination in accordance with its terms, shall continue until it is terminated at any time on not less than 24 hours written notice given by either party to the other.

5. Miscellaneous. All notices or approvals required or permitted under this Agreement must be given in writing to Exchange at the address specified above or to Service Bureau at its last reported principal office address, unless Service Bureau designates a different address. Any waiver or modification of this Agreement will not be effective unless executed in writing and signed by the other party. This Agreement constitutes the sole and entire agreement of the parties to this Agreement, and supersedes all prior and contemporaneous understandings, agreements, representations and warranties, both oral and written, with respect to such subject matter; however, execution of this Agreement does not in any way affect the enforceability of any previously executed Service Bureau Agreement entered into by and among any Exchange, Service Bureau and Member of such Exchange. This Agreement will bind each party's successors-in-interest. Service Bureau may not assign this Agreement (including by operation of law) without the prior written consent of the Exchange, provided, however, that the Exchange shall not unreasonably withhold such consent. This Agreement will be governed by and interpreted in accordance with the internal laws of the State of New York. Both parties submit to the jurisdiction of the state and federal courts in and for the State of New York for the resolution of any dispute arising under this Agreement. If any provision of this Agreement is held to be unenforceable, in whole or in part, such holding will not affect

the validity of the other provisions of this Agreement. This Agreement may be executed in one or more counterparts, which shall each be considered an original but all of which shall constitute one and the same Agreement.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed by their duly authorized officers.

Service Bureau: _____

Bats Global Markets, Inc.

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Date: _____

Bats Global Markets, Inc. Service Bureau Agreement

1. This Service Bureau Agreement (this "Agreement") is by and among Bats Global Markets, Inc., a Delaware corporation, with its principal offices at 8050 Marshall Drive, Suite 120, Lenexa, Kansas 66214 ("Bats"), on behalf of itself and Bats BZX Exchange, Inc. ("BZX"), Bats BYX Exchange, Inc. ("BYX"), Bats EDGA Exchange, Inc. ("EDGA") and Bats EDGX Exchange, Inc. ("EDGX"), each a Delaware corporation, and any other market subsidiary hereinafter created or acquired by Bats and operated by Bats or a subsidiary of Bats (collectively, the "Exchange"), the Member of the Exchange designated below ("Member"), and the Authorized Service Bureau designated below ("Service Bureau").
2. The Service Bureau acknowledges that it is a party to a Service Bureau Port Fee Agreement with Bats or any one or more of the Exchanges.
3. This Agreement authorizes the Service Bureau to route orders and any modifications thereto to the Exchange on behalf of the Member.
4. By executing this Agreement, the undersigned Member agrees that it is responsible for all orders using its MPID/EFID entered on the Exchange through or by the Service Bureau. The Member also agrees to accept and honor all trades executed on the Exchange as a result of orders routed to the Exchange through or by the Service Bureau using the Member's mnemonic, regardless of whether such orders were provided to the Exchange in error by the Service Bureau.
5. The Member understands and agrees that it is its sole responsibility to immediately notify the Exchange in the event that it wishes to terminate this Agreement.
6. This Agreement, subject to earlier termination in accordance with its terms, shall continue until it is terminated at any time on net less than 24 hours written notice given by either party to the other.
7. This Agreement shall be governed by the laws of the state of New York without regard to its choice of law provisions.

IN WITNESS WHEREOF THE PARTIES HAVE EXECUTED THIS SERVICE BUREAU AGREEMENT EFFECTIVE AS OF THE DATE OF EXECUTION BY BATS SET FORTH BELOW.

Service Bureau:

Member:

Bats Global Markets, Inc.:

Signature

Signature

Signature

Printed Name

Printed Name

Printed Name

Title (must be an officer)

Title (must be an officer)

Title

Name of Service Bureau

Name of Firm

Date

Service Bureau Contact

Date

Email Address of Contact Person

MPID or EFID of Member

This agreement should apply to the Exchanges noted below:

BZX BZX Options BYX EDGA EDGX EDGX Options

Bats Global Markets, Inc.

Connectivity Services Agreement

This Bats Global Markets, Inc. Connectivity Services Agreement (“Agreement”) is a binding agreement between you (“User”) and Bats Global Markets, Inc. (“BGM”), acting on behalf of each of the subsidiaries and other affiliates of Bats Global Markets, Inc. that provide any portion of the Services (as defined below) to User, which may include, without limitation, Bats BZX Exchange, Inc., Bats BYX Exchange, Inc., Bats EDGA Exchange, Inc. and Bats EDGX Exchange, Inc. (each, the “Exchange”), and any other market subsidiary hereinafter created or acquired by BGM and operated by BGM or a subsidiary of BGM (collectively, “Bats”), and shall be effective as of the date executed on the signature page hereof (the “Effective Date”).

1. Services. This Agreement authorizes User to receive the Services. As used in this Agreement, “Services” shall mean (i) those services described on User’s connectivity order form (the “Order Form”) and (ii) any other connectivity services provided by Bats to User to the extent such services are not addressed by another agreement between Bats and User. User acknowledges and agrees that nothing in this Agreement constitutes an understanding by Bats to continue any aspect of the Services in their current form. Bats may from time to time make additions, deletions or modifications to the Services. In such event, Bats shall use commercially reasonable efforts to notify User prior to any such change becoming effective. User’s continued use of the Services following the modification will constitute User’s acceptance of the modification.

2. Connectivity and Redistribution. User is solely responsible for providing and maintaining all necessary electronic communications required to link to the Services, including wiring, computer hardware, software, communication line access, and networking devices (as applicable). This Agreement authorizes User to access Bats, whether physically or logically, in order to provide Authorized Third Parties (as defined herein) with access to Bats and/or certain data feeds associated therewith and/or certain other authorized non-Exchange services. In order to receive and/or redistribute Bats data, User shall also enter into a Bats data agreement (the “Data Agreement”). Nothing herein shall limit User’s requirements and obligations arising under the Data Agreement, if applicable. User shall take reasonable security precautions to prevent unauthorized individuals or entities from gaining access to Bats. User shall comply with all reasonable security specifications or requirements of Bats in order to prevent Bats and Bats data from being improperly used or accessed, or from being improperly taken. User shall not provide any third party with access to Bats or Bats data unless such third party is an Authorized Third Party, pursuant to Bats’ prior written consent. For purposes of this Agreement, an “Authorized Third Party” is a party that Bats has approved to connect to Bats via connectivity supplied by User and/or to receive Bats data or other Bats authorized services transmitted through User.

2.1 Approval and Termination Notice Requirements. In order for a party to be approved as an Authorized Third Party, User must submit a request to Bats that includes the name and contact information of the party to whom connectivity will be provided. Bats 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 Bats, User may not provide the applicable party with connectivity to Bats. In the event User desires to terminate the provision of Services to an Authorized Third Party, User must submit written notice to Bats that identifies the name of the Authorized Third Party and the effective date of such termination. All notifications submitted to Bats pursuant to this Agreement shall be given in accordance with the Connectivity Manual available at http://cdn.batstrading.com/resources/membership/BATS_Connectivity_Manual.pdf, as may be amended from time to time (the “Connectivity Manual”). If any Authorized Third Party fails to comply with any of the conditions, terms or provisions of this Agreement, as applicable to such Authorized Third Party, a Data Agreement, or any other agreement between an Authorized Third Party and Bats, and the Authorized Third Party has failed to cure such non-compliance within the cure period, if any, set forth in the applicable agreement, or if an Authorized Third Party has made any representation in any such agreement which was or has become untrue, then User shall, within five (5) business days after receipt of notice from Bats of such failure or untruth, cease providing access to Bats and/or Bats data to such Authorized Third Party and shall, within seven (7) business days following the receipt of such notice, confirm such cessation by notice to Bats.

2.2 List of Authorized Third Parties. User shall maintain, keep current, and provide to Bats promptly upon request a list of Authorized Third Parties to whom User provides access to Bats and/or certain data feeds associated therewith. Unless otherwise provided by Bats, User shall use reasonable efforts to respond to such a request within fifteen (15) days of receipt of the request.

2.3 Network Requirements. User must comply with all applicable Bats Network Requirements, contained in the Connectivity Manual. Bats will provide notice of any material amendments to the Bats Network Requirements and User shall comply with the amended Bats Network Requirements within thirty (30) days of receipt of such notice.

3. Fees.

3.1 Services Fees. User agrees to make timely payment of all Services fees, as well as any applicable late fees, in accordance with the payment terms set forth in the Order Form or, if none are specified, within thirty (30) days of the invoice date. In the event of User's failure to make payment within such time period, Bats reserves the right to terminate the subject Service or Services upon notice to User. User will be solely responsible for any and all telecommunications costs and all other expenses incurred in linking to, and maintaining its link to, the Services. User shall pay Bats a late charge in the amount of 1% per month on all past due amounts that are not the subject of a legitimate and bona fide dispute.

3.2 Adjustments to Services Fees. Bats may adjust the fees for the Services upon reasonable notice to User; provided, however, that Bats may pass through to User, without notice, any third party charges, fees, taxes, or terms and conditions incurred by Bats in connection with the provision of Services. If User is receiving a physical connection from Bats, User may acquire a physical connection for transition purposes at no additional cost, provided that User transitions its connection within three (3) weeks from the date at which the replacement connection is live (i.e., Bats switchport is configured and connected to a User circuit or cross-connect). If, after three (3) weeks, the legacy connection is not terminated, User will be charged for an additional connection.

4. Term. The initial, one (1) month term of this Agreement shall commence upon the Effective Date and shall automatically renew for additional one (1) month terms at the beginning of each subsequent calendar month thereafter, unless terminated by User or Bats as provided below.

5. Termination.

5.1 By User. User may terminate this Agreement, or cancel any physical connection provided hereunder, upon thirty (30) days' prior written notice to Bats.

5.2 By Bats. Bats may terminate this Agreement, any or all of the Services provided hereunder, or any authorization to allow connectivity to an Authorized Third Party at any time or from time to time upon thirty (30) days' prior written notice to User. Notwithstanding the foregoing, Bats may suspend or terminate the Services immediately upon notice to User if it determines, in Bats' sole reasonable discretion, that: (i) User has breached any material term of this Agreement; (ii) User is engaged in activities that Bats determines are or may be detrimental to Bats, its investors or Exchange Members (as defined in the Exchange Rules), including without limitation detrimental to the performance and operation of the Services; (iii) User has become insolvent; has made an assignment for the benefit of creditors; is not paying debts as they become due, or admits, in writing, its inability to pay debts when due; has filed, or has filed against it, any petition under any applicable bankruptcy laws or an application for a receiver, trustee, or custodian of User is made by anyone; or User becomes the subject of any proceedings of bankruptcy, insolvency, reorganization, dissolution, receivership, liquidation or arrangement, adjustment, or composition, or otherwise poses a credit risk to Bats, its investors or Exchange Members; (iv) User is retransmitting or republishing any Bats data feeds, including market data, or providing any connectivity to Bats without the prior approval of Bats; (v) User has violated any Exchange Rules; or (vi) if User is a Member of an Exchange, User ceases to be a Member in good standing with the applicable Exchange, or User is otherwise no longer authorized to use the Services; or (vii) any representations or warranties made by User in connection with this Agreement are or become false or misleading.

5.3 Consequences of Termination. Upon the termination of this Agreement for any reason, all rights granted to User hereunder will cease and User shall immediately pay to Bats any and all amounts owed to Bats under this Agreement, including without limitation all Services fees owed in respect of the entirety of the then current calendar month (e.g., if the Agreement is terminated on February 15th, Users shall nevertheless be required to pay Bats the monthly Services fees for the entirety of the month of February). The following Sections will survive the termination or expiration of this Agreement for any reason: Sections 3, 5.3, and 6 through 14. In no event will termination of this Agreement relieve User of any obligations incurred prior to the effective date of termination or through its use of or connection to the Services.

6. Disclaimer of Warranty. THE SERVICES ARE PROVIDED AS-IS, WITHOUT WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED CONDITIONS OR WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, ANY IMPLIED WARRANTY ARISING FROM TRADE USAGE, COURSE OF DEALING OR COURSE OF PERFORMANCE, AND OF ANY OTHER WARRANTY OR OBLIGATION WITH RESPECT TO ANY SOFTWARE OR OTHER MATERIALS, OR ANY SERVICES, MADE AVAILABLE TO USER, AND ALL SUCH OTHER WARRANTIES ARE HEREBY DISCLAIMED. THERE IS NO GUARANTY THAT THE SERVICES PROVIDED BY BATS WILL MEET USER'S REQUIREMENTS, BE ERROR FREE, OR OPERATE WITHOUT INTERRUPTION. BATS GIVES NO WARRANTIES OF ANY KIND AS TO THE FITNESS, CAPACITY, OR CONDUCT OF ANY OTHER PERSON HAVING ACCESS TO THE SERVICES AND SHALL NOT BE HELD LIABLE TO OR THROUGH USER OR OTHERWISE FOR ANY USE OR ABUSE

WHATSOEVER OF THE SERVICES BY ANOTHER PERSON HAVING ACCESS TO THE SERVICES INCLUDING, WITHOUT LIMITATION, ANY FAILURE TO CONCLUDE TRANSACTIONS OR OBSERVE APPLICABLE MARKET REGULATIONS OR CONVENTIONS OR TO PAY REQUISITE TAXES OR OTHER CHARGES ON ANY TRANSACTIONS OR TO OTHERWISE ACT LAWFULLY.

7. **No Consequential Damages.** ABSENT FRAUD OR WILLFUL MISCONDUCT BY BATS OR A CLAIM ARISING OUT OF BATS' INDEMNIFICATION OBLIGATIONS (AS DESCRIBED BELOW), UNDER NO CIRCUMSTANCES WILL BATS OR ITS AGENTS, AFFILIATES OR LICENSORS BE LIABLE FOR ANY LOSS, DAMAGE, CLAIM OR EXPENSE, INCLUDING WITHOUT LIMITATION ANY DIRECT, CONSEQUENTIAL, INDIRECT, SPECIAL, PUNITIVE OR INCIDENTAL DAMAGES OR LOST PROFITS, WHETHER FORESEEABLE OR UNFORESEEABLE, BASED ON USER'S CLAIMS OR THE CLAIMS OF ITS CUSTOMERS, EMPLOYEES OR AGENTS (INCLUDING, BUT NOT LIMITED TO, CLAIMS FOR LOSS OF DATA, GOODWILL, USE OF MONEY OR USE OF THE SERVICES, INTERRUPTION IN USE OR AVAILABILITY OF THE SERVICES, STOPPAGE OF OTHER WORK OR IMPAIRMENT OF OTHER ASSETS), ARISING OUT OF BREACH OR FAILURE OF EXPRESS OR IMPLIED WARRANTY, BREACH OF CONTRACT, MISREPRESENTATION, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE. THIS SECTION WILL NOT APPLY ONLY WHEN AND TO THE EXTENT THAT APPLICABLE LAW SPECIFICALLY REQUIRES LIABILITY, DESPITE THE FOREGOING EXCLUSION AND LIMITATION. NOTWITHSTANDING THE FOREGOING, BUT SUBJECT TO THE EXPRESS LIMITS SET FORTH BELOW, BATS MAY BE LIABLE TO USER, IF USER IS AN EXCHANGE MEMBER, TO THE EXTENT SUCH LIABILITY ARISES BASED ON ITS THEN APPLICABLE EXCHANGE RULE CONCERNING LIMITATION OF LIABILITY. EXCEPT FOR FRAUD, WILLFUL MISCONDUCT, OR A CLAIM ARISING OUT OF BATS' INDEMNIFICATION OBLIGATIONS STATED BELOW, BATS' TOTAL LIABILITY IN RESPECT OF ANY AND ALL CLAIMS ARISING FROM OR RELATED TO THIS AGREEMENT, IN CONTRACT, TORT, OR OTHERWISE, WILL BE LIMITED TO THE LESSER OF: (i) ACTUAL DAMAGES INCURRED BY CLIENT AS A DIRECT RESULT OF BATS' ACT OR OMISSION, AND (ii) \$10,000.

8. **Indemnification by User.** User agrees to indemnify and hold harmless Bats, its owners, subsidiaries, and affiliates, its and their respective officers, directors, employees, and agents, and any related persons and entities, from and against all expenses and costs and damages (including any reasonable legal fees and expenses), direct, consequential, and/or incidental in nature, claims, demands, proceedings, suits, and actions, and all liabilities resulting from, in connection with, or arising out of any failure by User, for any reason, fraudulent, negligent or otherwise, to comply with its obligations under this Agreement, unless such expenses, costs, damages, claims, demands, proceedings, suits, actions, or liabilities arise from Bats' willful misconduct, fraud or breach of Bats' obligations under this Agreement.

9. **Indemnification by Bats.** Bats agrees to indemnify, defend and hold harmless User and its subsidiaries and affiliates, and its and their respective officers, directors, employees, and agents, from and against all expenses and costs and damages (including any reasonable legal fees and expenses), direct, consequential, and/or incidental in nature, claims, demands, proceedings, suits, and actions, and all liabilities resulting from, in connection with, or arising out of any third party claim that Bats or the Services, or User's use thereof, infringes any copyright, patent, trademark, trade secret or other intellectual property right.

10. **Assignment.** User's rights hereunder to use the Services during the term of this Agreement are personal, nonexclusive and nontransferable. User shall not assign, delegate or otherwise transfer this Agreement, or any of its rights or obligations hereunder, without Bats' prior approval, which will not be unreasonably withheld. Bats may assign or transfer this Agreement, or any of its rights or obligations hereunder, to a related or unrelated party, upon notice to User.

11. **Force Majeure.** Neither party to this Agreement will be liable for delay or failure to perform its obligations hereunder (other than a failure to pay amounts when due) caused by an event that is beyond the party's control; provided, however, that such party will not have contributed in any way to such event.

12. **Severability.** Each provision of this Agreement will be deemed to be effective and valid under applicable law, but if any provision of this Agreement is determined to be invalid, void, or unenforceable under any law, rule, administrative order or judicial decision, that determination will not affect the validity of the remaining provisions of this Agreement.

13. **Amendment.** This Agreement may be amended from time to time by Bats in its sole discretion, and Bats shall provide reasonable notice to User prior to any such amended Agreement becoming effective. Use of any Services following any amendment of this Agreement becoming effective shall constitute User's agreement to such amendment.

14. **Miscellaneous.** All notices or approvals required or permitted under this Agreement must be given in writing to Bats at the address specified above or to User at its last reported principal office address. No waiver under this Agreement will be effective unless executed in writing and signed by the party waiving any of its rights hereunder. This Agreement will bind each

party's successors-in-interest. This Agreement will be governed by and interpreted in accordance with the internal laws of the State of New York, USA. Both parties submit to the jurisdiction of the state and federal courts in and for the State of New York, USA for the resolution of any dispute arising under this Agreement. This Agreement, together with the Order Form, any addendums or schedules hereto and any other documents incorporated by reference, constitutes the complete and entire statement of all conditions and representations of the agreement between Bats and User with respect to its subject matter, and supersedes all prior writings or understandings with respect to such subject matter. In the event of any conflict between the business terms of the main body of this Agreement and any business terms set forth in an Order Form, such terms set forth in the Order Form shall govern.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed by their duly authorized officers.

User: _____ Signature: _____ Printed Name: _____ Title: _____	Bats Global Markets, Inc. on behalf of itself and its subsidiaries and affiliates Signature: _____ Printed Name: _____ Title: _____ Date: _____
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USER INFORMATION			
Firm:			
Address:			
City:		State:	Zip:
BUSINESS CONTACT		TECHNICAL CONTACT	
Name:		Name:	
Email:		Email:	
Phone:		Phone:	
BILLING ADDRESS		BILLING CONTACT	
Firm:		Name:	
Address:		Email:	
City:	State:	Zip:	Phone:

Extranet Addendum to the Bats Global Markets, Inc. Connectivity Services Agreement

This Addendum (this "Addendum"), with an effective date as of the date executed on the signature page hereof, is made by and between Bats Global Markets, Inc. ("BGM"), on behalf of its direct, and indirect wholly-owned subsidiaries and other affiliates, including, Bats BZX Exchange, Inc., Bats BYX Exchange, Inc., Bats EDGA Exchange, Inc. and Bats EDGX Exchange, Inc. (each, the "Exchange"), and any other market subsidiary hereinafter created or acquired by BGM and operated by BGM or a subsidiary of BGM (collectively, "Bats") and the user referenced below ("User"). Terms not defined in this Addendum shall have the meanings set forth in that certain Bats Global Markets, Inc. Connectivity Services Agreement executed by and between Bats and User, as may be amended from time to time (the "Connectivity Services Agreement").

User's execution of this Addendum is optional. By signing this Addendum, User identifies itself as an extranet (an "Extranet") and agrees to adhere to all obligations of an Extranet as set forth in the Bats US Equities/Options Extranet Manual, as may be amended from time to time (the "Extranet Manual"), and authorizes Bats to identify User as an Extranet and to include User's sales contact and service offerings in materials made publicly available on Bats' website.

Executed versions of this Addendum and any other requested documents can be delivered to Bats via email to MembershipServices@bats.com or mail to:

c/o Bats Global Markets, Inc.
Attn: Membership Services
8050 Marshall Drive, Suite 120
Lenexa, KS 66214

TERMS OF ADDENDUM

Whereas Bats provides certain services to User pursuant to the Connectivity Services Agreement and User desires to continue to use such services as modified below. For good and valuable consideration, User and Bats agree as follows:

1. **Scope.** This Addendum shall be deemed to supplement the Connectivity Services Agreement. Except as set forth herein, all of the terms and conditions of the Connectivity Services Agreement are hereby incorporated by reference and shall remain in full force and effect and are not superseded or amended by this Addendum; provided, however, that in the event of a conflict between the terms and conditions of this Addendum and the terms and conditions of the Connectivity Services Agreement, the terms and conditions of this Addendum control.
2. **Modification of Connectivity Services Agreement.** User hereby requests that Bats identify User as an Extranet and hereby acknowledges and agrees to adhere to all requisite obligations of an Extranet as specified in the Extranet Manual. Such obligations include, without limitation, having provisioned redundant, high speed connections to Bats for use by multiple members. Bats agrees that it will include User's sales contact and service offerings in materials made publicly available by Bats, including publication on Bats' website and/or any other promotional materials as determined in Bats' reasonable discretion, within two (2) weeks of both execution of this Addendum and verification that User is in compliance with the specific Extranet requirements set forth in the Extranet Manual.
3. **Obligations of Extranet.** By entering into this Addendum, User acknowledges and agrees to the following:
 - (a) User has no rights in or to Bats data, except for the right to transmit the Exchange data to the degree permitted under this Addendum, the Connectivity Services Agreement and the Data Agreement. User acknowledges and agrees that Bats has (i) proprietary rights in the information and data that originates on, derives from or relates to markets that are regulated, operated or administered by Bats, in the information and data that relates to individuals and entities that are regulated by Bats, and in the information and data that relates to activities that are regulated or operated by Bats, and (ii) compilation rights or other rights in information and data gathered from other sources. All Bats data, 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 Bats. User shall not, by act or omission, diminish or impair in any manner the acquisition, maintenance, and full enjoyment by Bats, its licensees, transferees and assignees, of the proprietary rights of Bats to Bats data and Bats' networks and system.

(b) User agrees (i) not to format, display, access (except to the degree reasonably necessary to maintain the security of User's network and not otherwise in violation of this Addendum or the Connectivity Services Agreement) or alter Bats data received through and from its connection to Bats; (ii) not to affect the integrity of Bats data; and (iii) not to render Bats data inaccurate, unfair, uninformative, fictitious, misleading, or discriminatory. User represents that it will not interfere with or adversely affect any of the component parts or processes of Bats data, its connection to any of Bats' systems, or any use thereof by any other Authorized Third Party.

IN WITNESS WHEREOF the parties hereto have caused this Addendum to be executed by their duly authorized officers.

User: _____	Bats Global Markets, Inc. on behalf of itself and its subsidiaries and affiliates
Signature: _____	Signature: _____
Printed Name: _____	Printed Name: _____
Title: _____	Title: _____
	Date: _____



Bats Global Markets, Inc.
17 State Street
New York, NY 10017

Bats Connect Order
Form

v1.1

BATS Connect Order Form

Is the Client information the same as provided on the Connectivity Services Agreement? Yes No If No, please provide information below.

<input type="text"/>	<input type="text"/>	<input type="text"/>
<i>Business Contact Name</i>	<i>Email</i>	<i>Contact number</i>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<i>Technical Contact Name</i>	<i>Email</i>	<i>Contact number</i>

<input type="text"/>	<input type="text"/>
<i>Billing Contact Name</i>	<i>Address</i>
<input type="text"/>	<input type="text"/>
<i>Email/Contact Phone</i>	<i>City, State, ZIP</i>

Market Data Connectivity*

Selection	Data Feed	Fee Per Month
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
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<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<input type="checkbox"/> Add <input type="checkbox"/> Remove		
<i>Total</i>		\$ 0.00

Fee covers both A and B feeds (over independent cross-connects) and is for connectivity only.
*Firms will be required to pay any exchange related data fees directly to the exchange.

Unicast Access (Order Entry)**

Selection	Bandwidth
<input type="checkbox"/> Add <input type="checkbox"/> Remove	
<input type="checkbox"/> Add <input type="checkbox"/> Remove	
<input type="checkbox"/> Add <input type="checkbox"/> Remove	
<input type="checkbox"/> Add <input type="checkbox"/> Remove	

***Additional fees apply for access to NYSE, ARCA or MKT \$ 0.00

Grand Total \$ 0.00

**Per cross-connect per destination location.
***Multicast and unicast access to NYSE Markets carry an additional \$1,200 and/or \$1,000/month connection fees, respectively, passed through via SFTL.

<input type="text"/>	<input type="text"/>
<i>Client (Firm Name)</i>	
<input type="text"/>	
<i>Print Person Name</i>	
<input type="text"/>	
<i>Authorized Signature</i>	<i>Date</i>

Bats Global Markets, Inc.
Data Agreement
(Formerly the Exchange Data Vendor Agreement)

This Bats Global Markets, Inc. Data Agreement (this "Agreement"), with an effective date as of the date executed on the signature page hereof, is made by and between Bats, as operator of the Exchanges, and Data Recipient.

1. **Definitions.** The following terms, when used in this Agreement, shall have the meanings set forth below:

"Act" shall mean the Securities Exchange Act of 1934, as amended.

"Additional Agreements" shall mean the User Agreement, Bats Data Feed Order Form and System Description, Direct Edge System Description/Data Feed Request, Price List, Fee Schedule, and any additional terms and conditions, policies or agreements entered into in writing by Data Recipient with Bats or any of its subsidiaries or affiliates (including without limitation Direct Edge LLC) relating to the subject matter hereof.

"Agreement" shall mean this Bats Global Markets, Inc. Data Agreement, including any attachments or documents referenced or incorporated herein, as may be amended, modified, or supplemented from time to time.

"Bats" shall mean, collectively, Bats Global Markets, Inc., a Delaware corporation, with its principal offices at 8050 Marshall Drive, Suite 120, Lenexa, Kansas 66214, and its subsidiaries and affiliates, including, without limitation, the Exchanges.

"Bats Indemnified Parties" shall mean, collectively, Bats and its subsidiaries, affiliates, and its and their respective owners, officers, directors, employees, and agents.

"Bats Invoiced Subscribers" shall mean any Data User that Bats chooses to invoice directly, as distinguished from Data Recipient Invoiced Subscribers.

"Bats Specifications" shall mean the written specifications, as may be amended, modified, or supplemented from time to time, for the System with which Data Recipient's system must comply.

"Claims and Losses" shall mean any and all liabilities, obligations, losses, damages, penalties, claims, actions, suits, costs, judgments, settlements and expenses of any nature, whether incurred by or issued against an indemnified party or a third-party, including, without limitation, (a) indirect, special, punitive, consequential or incidental loss or damage, and (b) reasonable administrative costs, investigatory costs, litigation costs and auditors' and attorneys' fees and expenses (including in-house personnel).

"Connectivity Fees" shall mean fees charged specifically for connecting to Exchange in order to receive Exchange Data.

"Data Feed Subscriber" shall mean any Data User outside of Data Recipient that (a) receives Exchange Data from Data Recipient and (b) for which Data Recipient cannot substantially control Exchange Data for the purpose of reporting usage or qualification.

"Data Fees" shall mean fees charged in connection with the use or redistribution of Exchange Data.

"Data Recipient" shall mean the data recipient referenced below and its affiliates, as identified in writing to Bats. The term "Data Recipient" includes (a) any Person that receives and uses Exchange Data for internal purposes only, and (b) any Person that receives and distributes Exchange Data, in each case pursuant to and in accordance with the terms and conditions of this Agreement and Exchange Requirements.

"Data Recipient Account Agreement" shall mean an agreement with an External Subscriber that (a) governs the accounts held by the External Subscriber with Data Recipient through which the External Subscriber is entitled to access Exchange Data, including any limitations on an External Subscriber's right to redistribute Exchange Data, and (b) protects Bats and the Bats Indemnified Parties to the same extent as if Data Recipient had presented and the External Subscriber had signed a Subscriber Agreement as per the applicable Exchange Requirements.

"Data Recipient Indemnified Parties" shall mean, collectively, Data Recipient and its subsidiaries, affiliates and its and their respective owners, officers, directors, employees, and agents.

"Data Recipient Invoiced Subscribers" shall mean any Data User that, per Bats' decision, are charged or assessed by Data Recipient for Exchange Data.

"Data User" shall mean any Person that receives Exchange Data from Data Recipient.

"Exchange" and **"Exchanges"** shall mean, individually or collectively, Bats Exchange, Inc., Bats Y-Exchange, Inc., EDGA Exchange, Inc. EDGX Exchange, Inc., and any other market subsidiary hereinafter created or acquired by Bats and operated by Bats or a subsidiary of Bats, including but not limited to, Bats Hotspot LLC.

"Exchange Data" shall mean certain data and other information disseminated relating to securities or other financial instruments, products, vehicles, currencies, or devices; or relating to Persons regulated by Bats or to activities of Bats; or gathered by Bats from other sources, in each case (other than foreign trading currency data) sourced by Bats within the U.S.

"Exchange Requirements" shall mean (a) the rules, regulations, interpretations, decisions, opinions, orders and other requirements of the Securities Exchange Commission or other regulatory authorities, as may be applicable; (b) the rules and regulations, disciplinary decisions and rule interpretations applicable to the Exchanges; (c) the Exchanges' decisions, policies, interpretations, user guides, operating procedures, specifications (including without limitation the Bats specifications), requirements and other documentation that is regulatory or technical in nature published on Bats' web site; and (d) all other applicable laws, statutes, rules, regulations, orders, decisions, interpretations, opinions and other requirements.

"External Subscriber" shall mean any Data User not affiliated with Data Recipient that receives Exchange Data where Data Recipient can substantially control Exchange Data for the purpose of reporting usage or qualification.

"Internal Subscriber" shall mean any Data User affiliated with Data Recipient that receives Exchange Data where Data Recipient can substantially control Exchange Data for the purpose of reporting usage or qualification.

"Person" shall mean any individual, corporation, limited liability company, trust, joint venture, association, company, limited or general partnership, unincorporated organization, or other entity.

"Redistributor" shall mean another distributor from which Data Recipient receives Exchange Data and for which such distributor cannot substantially control the Exchange Data received by Data Recipient for purposes of reporting usage and qualification.

"Service Facilitator" shall mean a Person receiving Exchange Data from Data Recipient for the sole purpose of facilitating dissemination of Exchange Data through Data Recipient's service in accordance with the terms and conditions of this Agreement.

"Subscriber Agreement" shall mean any agreement that Bats may require Data Recipient to obtain from an External Subscriber prior to Data Recipient providing such External Subscriber with Exchange Data.

"System" shall mean the system Bats has developed for creation and/or dissemination of Exchange Data.

"System Description" shall mean the Bats Data Feed Order Form and System Description and/or Direct Edge System Description/Data Feed Request, as applicable, and any other description of Data Recipient's system for receiving, transmitting and disseminating Exchange Data that is provided to and approved by Bats.

"User Agreement" shall mean an agreement by and between Data Recipient and the Exchange, pursuant to which Data Recipient has the right to access the Exchange to, among other things, enter orders on the Exchange, receive status updates on orders, cancel orders, and execute trades against orders on the Exchange limit order book, as such agreement may be amended, modified, or supplemented from time to time.

2. Exchange Users. All rights under this Agreement granted to any Data Recipient that is also party to a User Agreement are granted subject to the terms and conditions of this Agreement and are in addition to the rights granted to Data Recipient under the User Agreement.

If Data Recipient is a member of an Exchange, then Data Recipient expressly acknowledges and agrees that (a) this Agreement does not limit or reduce in any way Data Recipient's obligations and responsibilities as a member of any

applicable Exchange; (b) this Agreement does not in any way alter the procedures or standards generally applicable to disciplinary or other actions taken by Bats to enforce compliance with, or impose sanctions for violations of, applicable Exchange Requirements; and (c) the nonpayment of amounts due under this Agreement could result in the suspension or cancellation of Data Recipient's membership on an Exchange in accordance with applicable Exchange Requirements.

3. **Other Recipients.** If Data Recipient has not entered into a User Agreement with the Exchange, by signing this Agreement, Data Recipient has the right to access the Exchange to receive data feeds from the Exchange for internal purposes and for the distribution of, or otherwise enabling access (directly or indirectly) to, Exchange Data, as described in Data Recipient's System Description and approved by Bats and not for any purpose inconsistent with the terms of this Agreement.

4. **Use of Exchange Data.** Bats hereby grants to Data Recipient a worldwide, non-exclusive, non-transferable license to: (a) copy, store, process, commingle, and use any Exchange Data received (i) directly from the Exchange; (ii) through an approved Bats extranet; (iii) through an authorized data feed provider (i.e., a Redistributor); or (iv) otherwise, and (b) distribute Exchange Data in any form by means of any current or future product or service of the Data Recipient in any media, in accordance with the terms of this Agreement and Exchange Requirements, as available on Bats' web site and as may be amended, modified, or supplemented from time to time. Data Recipient shall ensure that the Exchange Data is clearly attributed as originating from the applicable Exchange.

Furthermore, Data Recipient represents and warrants that the detailed description of its system for receiving, transmitting and disseminating Exchange Data, as described in its System Description, including, but not limited to, the data processing equipment, software and communications facilities related thereto, is true, complete and not misleading, and that Data Recipient and Data User are authorized to receive and use the Exchange Data only for the purposes set forth in this Agreement and applicable Exchange rules and Exchange Requirements. Any use of the Exchange Data by Data Recipient and Data User, including, but not limited to, distribution or reprocessing, unless expressly described in Data Recipient's System Description and approved by Bats, is prohibited. Data Recipient acknowledges and represents that it shall not use the Exchange Data at any time in contravention of the Exchange Requirements, including, and without limitation, the restriction on the display of information as set forth in Section 603(c) of Regulation NMS.

Should Data Recipient intend to make any material change to its System Description or in Data Recipient's use of the Exchange Data (including, but not limited to, redistribution and reproduction) in any manner not then described in Data Recipient's System Description, Data Recipient may only do so with Bats' prior written approval of Data Recipient's revised System Description and subject to payment of applicable fees. Bats shall promptly and in good faith approve or disapprove proposed modifications to Data Recipient's System Description. Data Recipient acknowledges and agrees that it acts at its own risk in developing any modification to its service and/or systems prior to receiving approval from Bats in accordance with this Section 4. Data Recipient is not required to notify Bats of non-material changes to its System Description.

5. **Record Retention by Data Recipient.** Data Recipient shall maintain complete and accurate records relating to the receipt of Exchange Data in accordance with the Exchange Requirements and other such information as Bats from time to time may reasonably request in writing.

6. **Reporting.** Data Recipient shall comply with the requirements of Bats as to usage reporting as Bats requires from time to time in writing. Unless otherwise provided by Bats, Data Recipient shall use reasonable efforts to provide such reporting within 15 days of the end of the applicable reporting period set forth by Bats but Bats shall not consider such reporting to be late until 45 days after the due date.

7. **Proprietary Nature of Exchange Data.** Bats represents that Exchange Data and the System constitute valuable proprietary information and rights of Bats and the Exchanges. Data Recipient expressly acknowledges and agrees that, as between Bats and Data Recipient, Bats has the exclusive proprietary rights in and to the System and Exchange Data that (a) originates on or relates to trading on any of Bats' markets; (b) relates to activities that are regulated or operated by one or more of Bats' markets; (c) Bats derives from Exchange Data that originates on or relates to any of Bats' markets; and (d) is a compilation or other rights in information and data that Bats gathers from other sources pursuant to separate agreements with those sources. The System and all Exchange Data, including without limitation any and all intellectual property rights inherent therein or appurtenant thereto, shall, as between Bats and Data Recipient, be and remain the sole and exclusive property of Bats. Data Recipient shall not, by act or omission, diminish or impair in any manner the acquisition, maintenance and full enjoyment by Bats, its licensees, transferees and assignees, of the proprietary rights of Bats in Exchange Data and the System. Data Recipient acknowledges and agrees that third party information providers who provide information, goods and services to Bats in connection with the creation of Exchange Data have exclusive rights in their respective information and data. Bats makes no proprietary claim to any information derived from Exchange Data by Data Recipient.

8. Right to Deny Distribution. Bats retains the right to direct Data Recipient to terminate any external distribution of Exchange Data for any reason or no reason, in which event Bats shall notify Data Recipient and Data Recipient shall cease retransmitting Exchange Data as soon as commercially practicable.

9. Use of Name. Bats shall not: (a) advertise, publicly announce or otherwise state that it is providing services to Data Recipient or its affiliates or (b) use the name of Data Recipient or any affiliate thereof in any advertising or promotional materials, including but not limited to, any published list of data recipients or other clients in its web site displays, without the prior written consent of Data Recipient.

10. Right to Audit. During the term of this Agreement and for a period 12 months thereafter, Data Recipient shall make its premises available to Bats or its appointed agent for physical inspection of Data Recipient's use of Exchange Data (including review of any records regarding the use of, or redistribution of, the Exchange Data and locations where the Exchange Data is being received), during normal business hours, upon reasonable advance notice, to verify the accuracy of reports in accordance with Exchange Requirements and to ensure that the type and amount of fees, if any, calculated or stated to be payable to Bats are complete and accurate. While on Data Recipient's premises, Bats or its appointed designee shall comply with Data Recipient's written standard security policies and procedures to the extent made known by Data Recipient to Bats or its appointed designee. In no event will Bats or its appointed agent audit Data Recipient more than once in any 12 month period, unless necessary due to a reasonable suspicion of non-compliance with any material provision of this Agreement. Data Recipient shall comply promptly with any reasonable request from Bats for information regarding Data Recipient's receipts, usage, processing, display and redistribution of Exchange Data. The costs of such audit shall be borne by Bats unless such audit reveals an underpayment by Data Recipient of 10% or more or a material breach of the rights or licenses granted to Data Recipient under this Agreement; in such case, Data Recipient shall reimburse Bats for its costs and expenses in conducting such audit, to the extent that such costs and expenses are commensurate with industry standards.

11. Qualification Requirements; Data Recipient Indemnification. Except as otherwise set forth in this Agreement, Data Recipient shall only furnish, or cause or permit to be furnished, all or any part of Exchange Data to a Data User who, at the time of receipt thereof, is of a type qualified (as set forth in applicable Exchange Requirements) to receive Exchange Data from Data Recipient. Data Recipient agrees that Bats may have different qualification requirements for different Data Users.

Data Recipient may have an obligation to obtain an executed Subscriber Agreement from External Subscribers or cause Data Feed Subscribers to execute a Bats Global Markets, Inc. Data Agreement with Bats. Data Recipient shall have no obligation to obtain an executed Subscriber Agreement from External Subscribers if Data Recipient represents and warrants that it has, or will have in place before distributing Exchange Data to any External Subscriber, a legally valid and enforceable Data Recipient Account Agreement with such External Subscriber.

Data Recipient may use a Service Facilitator to facilitate the dissemination of Exchange Data in Data Recipient's service, provided that Data Recipient has a legally valid and enforceable contract with such Service Facilitator, prior to distributing any Exchange Data to any Service Facilitator, that: (a) includes all limitations on the Service Facilitator's right to redistribute Exchange Data; and (b) protects Bats and the Bats Indemnified Parties to the same extent as if the Service Facilitator had signed a Bats Global Markets, Inc. Data Agreement with Bats directly.

Data Recipient shall indemnify Bats, all Bats Indemnified Parties and any third parties that provide information, goods, and services to Bats in connection with the creation of Exchange Data against any assertion of claims or losses relating against the Bats Indemnified Parties made by an External Subscriber who receives Exchange Data from Data Recipient (or any Person relying upon Exchange Data received by such a Data User) arising from Data Recipient's election to distribute Exchange Data to such External Subscriber pursuant to this Section 11 rather than presenting the Subscriber Agreement to such Persons. In terms of recordkeeping and retention, Data Recipient Account Agreements shall be subject to applicable Exchange Requirements. In the event of a dispute with Data User(s) relating to Exchange Data, Data Recipient agrees to provide Bats with copies of the relevant portions of the Data Recipient Account Agreements. In the text of a Subscriber Agreement, Data Recipient may be referenced as "Vendor".

If any Data User fails to comply with any of the terms or conditions of this Agreement applicable to Data Users, its agreement with Data Recipient for Exchange Data, or any other agreement between Data User and Bats (including the Additional Agreements), or has made any representation in any such agreement which was or has become untrue, then Data Recipient shall, within 5 business days after receipt of notice from Bats of such failure or untruth, cease providing Exchange Data to such Data User and shall, within 10 business days following the receipt of such notice, confirm such cessation by notice to Bats. Data Recipient shall be solely responsible for the acts and omissions of Internal Subscribers. If a Data User is to be

terminated under this provision, then Bats will request all Data Recipients to cease providing Exchange Data to such Data User.

12. Modifications; Fees. Data Recipient acknowledges and agrees that nothing in this Agreement constitutes an undertaking by Bats to continue: (a) Exchange Data, the System, or any aspect of either, in the present form or configuration or under the current Bats Specifications; or (b) to use existing communications facilities. Bats, in its sole discretion, may make modifications, additions, and/or deletions: (i) to Exchange Data, the System, or any aspect of either; (ii) to the Bats Specifications; (iii) to its communications facilities; or (iv) to Bats' decisions, policies, operating procedures, requirements, and other documentation (including, but not limited to, specifications, user guides and the Additional Agreements). Bats will use commercially reasonable efforts to provide Data Recipient with at least 60 days' notice of any material modification, addition, or deletion, except to the extent a shorter period is: (x) required due to any situation that necessitates modifications, additions, or deletions on an accelerated basis or otherwise precludes such advance notice, or (y) required pursuant to an order of a court, an arbitrator or a regulatory agency.

Data Recipient agrees to make timely payment of Connectivity Fees and Data Fees, as well as any applicable late fees for the failure to make payment within the required time period. The amount of applicable Connectivity Fees and Data Fees shall be set forth in Exchange rules or posted on the Bats' web site. Connectivity Fees and Data Fees are payable within 30 days of the invoice date. Data Recipient will be solely responsible for any and all other telecommunications costs and all other expenses incurred in connecting to and maintaining its connection to, Exchange. Failure to make payments within 30 days from the invoice date may result in suspension or termination of distribution of Exchange Data by Bats to Data Recipient. Data Recipient agrees to pay Bats a late charge in the amount of 1% per month on all past due amounts that are not the subject of a legitimate and bona fide dispute. Subject to the Act, Bats reserves the right to change its fee schedule, including Connectivity Fees and Data Fees applicable to Data Recipient. Bats will use commercially reasonable efforts to provide advance notice to Data Recipient (delivered via email and posted to Bats' web site) of any changes to Connectivity Fees. Bats will use commercially reasonable efforts to provide at least 60 days advance notice to Data Recipient (delivered via email and posted to Bats' web site) of any changes to Data Fees, provided, however, that such notice shall be not less than 30 days prior to the effectiveness of the change. **Receipt or use of Exchange Data after the applicable notice period for any modification, addition, or deletion shall constitute acceptance of Exchange Data, Connectivity Fees, Data Fees, the System, the Bats Specifications, or other decisions, policies, operating procedures, requirements, and other documentation as so changed.**

All Data Users shall be either Data Recipient Invoiced Subscribers or Bats Invoiced Subscribers. Data Recipient is not required to actually invoice Data Recipient Invoiced Subscribers, but, in any event, Data Recipient shall be responsible for the charges associated with the Data Recipient Invoiced Subscribers. Data Recipient shall bear all risk of non-payment by Data Recipient Invoiced Subscribers or by Data Users for whom Data Recipient is responsible for the charges. Bats will bear the risk of non-payment by Bats Invoiced Subscribers. Data Recipient shall reasonably cooperate with Bats in any lawful efforts by Bats to collect unpaid charges due Bats from current or former Bats Invoiced Subscribers. Data Recipient may choose to pay Bats any charges due on behalf of any Data User. Upon Data Recipient's payment to Bats on behalf of any Data User of any charges due hereunder, Data Recipient shall be subrogated to any and all rights of Bats to recover such charges.

In addition, for Data Recipient Invoiced Subscribers, Data Recipient shall pay any taxes, charges or assessments (other than taxes imposed on the net income of Bats) by any foreign or domestic national, state, provincial or local government bodies, or subdivisions thereof relating to the provision of Exchange Data pursuant to this Agreement, and any related penalties or interest. In addition, if Data Recipient or any Data Recipient Invoiced Subscriber is required by applicable law to deduct or withhold any such tax, charge or assessment from the amounts due Bats, then such amounts due shall be increased so that the net amount actually received by Bats after the deduction or withholding of any such tax, charge or assessment, will equal one hundred percent (100%) of the charges that are owed.

13. Term and Termination. This Agreement, subject to earlier termination in accordance with its terms, shall continue until it is terminated either by Data Recipient on not less than 30 days' written notice to Bats or by Bats on not less than 60 days' written notice to Data Recipient. Notwithstanding the foregoing, this Agreement may be terminated immediately upon written notice by Bats in the event that (a) Data Recipient is not permitted or not able to receive or Bats is prevented from disseminating Exchange Data, or any part thereof; (b) any representation, warranty or certification made by Data Recipient in this Agreement or in any other document furnished by Data Recipient is, as of the time made or furnished, materially false or misleading; (c) Data Recipient 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 Bats for regulatory, commercial or other reasons, made by Data Recipient in connection herewith, after Bats has notified Data Recipient in writing that such proposed action would constitute a default or breach hereunder; or (d) Bats, in its sole

reasonable discretion, determines that any failure on the part of Data Recipient to comply with this Agreement has or is likely to have a materially adverse impact on the operation or performance of the System, Exchange Data or any Exchange, or likely to cause disproportionate harm to Bats' interests should termination be delayed. The following Sections will survive the termination or expiration of this Agreement for any reason: 1, 6, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 22, 23, 24, and 26. Any terms and conditions of the Additional Agreements incorporated herein by reference which by their terms are stated to survive the termination or expiration of such Additional Agreements shall survive the termination or expiration of this Agreement.

14. Confidentiality. Under this Agreement, Bats (and any Bats designee conducting an audit pursuant to this Agreement) shall keep confidential Data Recipient's System Description and Data Recipient's records, reports and payments that Bats or its designee has reviewed or audited, and any other Data Recipient information or material reasonably considered to be of a confidential nature (whether or not designated as such), as well as any and all information received in connection with this Agreement, including but not limited to, business, financial, operational, product, service and other information. Data Recipient acknowledges that it may also obtain confidential information, data, or techniques of Bats (whether or not designated as such). All such confidential information, whether written or oral, shall be deemed confidential upon disclosure to the recipient. Except as otherwise set forth herein, the recipient shall use such confidential information solely for use consistent with the purposes of this Agreement; shall hold such confidential information in confidence; and shall not use, disclose, copy, or publish any such confidential information without the prior written approval of the disclosing party. The recipient shall take reasonable security precautions, including at least as great as the precautions it takes to protect its own confidential information, but no less than reasonable care, to keep confidential the confidential information of the disclosing party. The recipient shall notify the disclosing party immediately upon discovery of any unauthorized use or disclosure of confidential information, and will cooperate with disclosing party in every reasonable way to help disclosing party regain possession of the confidential information and prevent its further unauthorized use or disclosure. The parties acknowledge that monetary damages may not be a sufficient remedy for unauthorized disclosure of confidential information, and that disclosing party shall be entitled, without waiving any other rights or remedies, to such injunctive or equitable relief as may be deemed proper by a court of competent jurisdiction.

Notwithstanding anything herein to the contrary, Bats or Data Recipient may disclose confidential information to the extent: (a) demanded by a court, arbitrator or government agency with regulatory jurisdiction over one or more of Bats' markets or over Data Recipient or any judicial or government order; (b) necessary to fulfill any Bats or Data Recipient regulatory responsibility, including any responsibility over members and associated Persons under the Act; or (c) necessary for Bats or Data Recipient and their respective employees, directors, and other agents to use such confidential information consistent with the purposes of this Agreement. If a party is required to disclose information pursuant to clauses (a) and (b) immediately above, such party shall notify the disclosing party in writing, to the extent permitted by law or regulation, of such requirement prior to disclosing such information and provide the original disclosing party, at its expense, with an adequate opportunity to obtain a protective order or other reliable assurance that confidential treatment will be accorded to the confidential information. The duties in this Section 14 do not apply to data, information or techniques that: (i) were lawfully in a party's possession prior to the date of this Agreement, provided the source of that information was not known by recipient to be bound by a confidentiality agreement with or other continual, legal or fiduciary obligation of confidentiality to disclosing party; (ii) is now, or hereafter becomes, through no act or failure to act on the part of recipient, generally known to the public; (iii) is rightfully obtained by recipient from a third party so long as the party does not know that the third party has breached any obligation not to reveal such data, information, or techniques; or (iv) can be demonstrated was independently developed by recipient without use or reference to the confidential information. All confidential information is and shall remain the property of the disclosing party. By disclosing confidential information to recipient, disclosing party does not grant any express or implied right to recipient to or under any patents, copyrights, trademarks, or trade secret information.

Bats shall not disclose its audit findings to any third parties (other than to its directors and independent consultants or subcontractors who are subject to confidentiality obligations or as otherwise set forth herein) and all information learned in connection with an audit shall constitute Data Recipient's confidential information. Notwithstanding the foregoing, nothing herein shall prevent Bats from using the audit findings to the extent the findings are used in the aggregate with other information and such aggregation does not (a) specifically identify Data Recipient or (b) create a context where Data Recipient's identity may be reasonably inferred.

15. LIMITATION OF LIABILITY; DISCLAIMER OF WARRANTIES. Absent fraud or willful misconduct by Bats, or a claim arising out of Bats' indemnification or confidentiality obligations set forth herein, Bats, its officers, directors, shareholders, employees, agents and consultants shall not be liable to Data Recipient or its affiliates, or to any Data User or its affiliates, for any inaccurate or incomplete Exchange Data received from Bats or from a Redistributor, any delays, interruptions, errors, or omissions in the furnishing thereof, or any direct, indirect or consequential damages arising from or occasioned by said inaccuracies, delays, interruptions, errors or omissions. DATA RECIPIENT EXPRESSLY

ACKNOWLEDGES THAT EXCHANGE DATA AND ANY AND ALL MATERIAL RELATED TO EXCHANGE DATA, INCLUDING BUT NOT LIMITED TO THE SYSTEM AND BATS SPECIFICATIONS, ARE BEING PROVIDED "AS IS." DATA RECIPIENT EXPRESSLY ACKNOWLEDGES THAT BATS DOES NOT MAKE ANY REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO EXCHANGE DATA, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR ANY WARRANTIES OF MERCHANTABILITY, QUALITY OR FITNESS FOR A PARTICULAR PURPOSE. ABSENT FRAUD OR WILLFUL MISCONDUCT BY BATS, ITS OFFICERS, DIRECTORS, EMPLOYEES, AGENTS AND CONSULTANTS SHALL NOT BE LIABLE TO DATA RECIPIENT, OR TO ANY RECIPIENT OF EXCHANGE DATA REDISTRIBUTED BY DATA RECIPIENT, FOR INDIRECT, CONSEQUENTIAL, EXEMPLARY, SPECIAL, INCIDENTAL OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING BUT NOT LIMITED TO, LOSS OF OR DAMAGE TO DATA, LOSS OF BUSINESS OR LOST PROFITS, ARISING FROM ANY CAUSE WHATSOEVER, EVEN IF BATS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. ABSENT FRAUD OR WILLFUL MISCONDUCT BY DATA RECIPIENT, OR A CLAIM ARISING OUT OF DATA RECIPIENT'S INDEMNIFICATION OR CONFIDENTIALITY OBLIGATIONS SET FORTH HEREIN, DATA RECIPIENT, ITS OFFICERS, DIRECTORS, EMPLOYEES, AGENTS AND CONSULTANTS SHALL NOT BE LIABLE FOR INDIRECT, CONSEQUENTIAL, EXEMPLARY, SPECIAL, INCIDENTAL OR PUNITIVE DAMAGES OF ANY NATURE ARISING FROM ANY CAUSE WHATSOEVER, EVEN IF DATA RECIPIENT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

16. Indemnification by Data Recipient. Absent fraud or willful misconduct by Bats or a claim arising out of Bats' indemnification or confidentiality obligations set forth herein, Data Recipient and its affiliates agree to indemnify and hold harmless Bats Indemnified Parties from and against any and all Claims and Losses imposed on or asserted against Bats Indemnified Parties by a third party resulting from, in connection with, or arising out of (a) any failure of Data User to comply with the terms and conditions of any Bats required agreement for Exchange Data if Data Recipient has failed to notify Bats in writing of such non-compliance within 10 days after Data Recipient knows of such non-compliance (unless such Data User is a party to a Bats Global Markets, Inc. Data Agreement); (b) any assertion of Claims and Losses relating to this Agreement against any Bats Indemnified Party made by any Data User (or any third party relying upon Exchange Data received by such Data User, unless such Data User is party to a Bats Global Markets, Inc. Data Agreement); (c) the receipt, use, or redistribution of Exchange Data in breach hereof by Data Recipient or its affiliates; and (d) any failure by Data Recipient or its affiliates to comply with its obligations under this Agreement; provided that: (i) Bats promptly notifies Data Recipient in writing of any claim, action, or allegation; however, failure to promptly notify Data Recipient of a claim shall not relieve Data Recipient of its indemnification obligations hereunder except to the extent that such failure prejudices the rights of Data Recipient; (ii) Data Recipient shall have sole control of the settlement and defense of any action to which this indemnity relates, but, upon Bats' request, shall inform Bats of the status of any proceedings or negotiations; and (iii) Bats reasonably cooperates to facilitate such defense. Data Recipient, in defending any such claim, action or allegation, except with the written consent of Bats Indemnified Parties, shall not consent to entry of any judgment or enter into any settlement which (A) does not include, as an unconditional term, the grant by the claimant to the Bats Indemnified Parties of a release of all liabilities in respect to such claim, action, or allegation and (B) subjects Bats Indemnified Parties to any obligation in addition to those set forth herein.

17. Indemnification by Bats. Bats agrees to indemnify, defend and hold harmless Data Recipient Indemnified Parties from and against all Claims and Losses imposed on or asserted against a Data Recipient Indemnified Party by a third party resulting from, in connection with, or arising out of a claim that Exchange Data, or Data Recipient's use thereof, or the System infringes any copyright, patent, trademark, trade secret or other intellectual property right; provided that: (a) Data Recipient promptly notifies Bats in writing of any claim, action, or allegation; however, failure to promptly notify Bats of a claim shall not relieve Bats of its indemnification obligations hereunder except to the extent that such failure prejudices the rights of Bats; (b) Bats shall have sole control of the settlement and defense of any action to which this indemnity relates, but, upon Data Recipient's request, shall inform Data Recipient of the status of any proceedings or negotiations; and (c) Data Recipient reasonably cooperates to facilitate such defense. Bats, in defending any such claim, action or allegation, except with the written consent of Data Recipient Indemnified Parties, shall not consent to entry of any judgment or enter into any settlement which (A) does not include, as an unconditional term, the grant by the claimant to the Data Recipient Indemnified Parties of a release of all liabilities in respect to such claim, action, or allegation and (B) subjects Data Recipient Indemnified Parties to any obligation in addition to those set forth herein.

Bats shall not have the obligation to indemnify, defend and hold harmless Data Recipient's Indemnified Parties for any and all Claims and Losses imposed on, incurred by or asserted against a Data Recipient Indemnified Party as a result of any allegation of infringement or misappropriation if the System, Exchange Data, or any Bats Specifications have not been used in accordance with this Agreement which resulted in such infringement or misappropriation, or if Data Recipient uses the System, Exchange Data, or any Bats Specifications after Bats notifies Data Recipient of a potential or actual infringement claim or to the extent it is based on use of a superseded version of the System, Exchange Data, or any Bats Specifications if such infringement or misappropriation would have been avoided by use of the current version of the System, Exchange

Data, or Bats Specifications or if the infringement or misappropriation claim, action, or allegation is the result of the combination, operation, or use of the System furnished timely to Data Recipient by Bats, Exchange Data, or any Bats Specifications with hardware, software, or materials if such infringement or misappropriation would have been avoided by the use of the System, Exchange Data, or any Bats Specifications without such hardware, software, or materials.

In the event of a claim, action or allegation of infringement or misappropriation or if, in Bats' reasonable opinion, such a claim, action or allegation is likely to occur or if the use of the System, Exchange Data, or any Bats Specifications is enjoined because of infringement or misappropriation, Bats may, at its sole option and expense, (i) procure for Data Recipient the right to continue using the System, Exchange Data, or any Bats Specifications; (ii) replace or modify the System, Exchange Data, or any Bats Specifications to be non-infringing, and require the return of the potentially infringing or misappropriating items, if applicable, without liability to Data Recipient or any other third party; or (iii) terminate this Agreement immediately without liability to Data Recipient (other than indemnification by Bats in accordance with this Section) or any third party.

This Section sets forth the entire liability of Bats and the exclusive remedy of Data Recipient for the infringement or misappropriation of intellectual property by Bats.

18. Assignment. This Agreement shall inure to the benefit of and shall be binding upon the parties hereto and their respective permitted successors and assigns. Data Recipient may not assign this Agreement without the prior written consent of Bats; provided, however, that Bats shall not unreasonably withhold such consent. Notwithstanding the foregoing, Data Recipient may assign this Agreement to (a) an affiliate or subsidiary; (b) a successor of Data Recipient, by consolidation, merger, or operation of law; or (c) a purchase of all or substantially all of Data Recipient's assets, in each case without the prior written consent of Bats, provided that Data Recipient (a) is not currently in breach of this Agreement or delinquent in any fees owed to Bats hereunder and (b) provides prior written notice to Bats. Bats may, as permitted by the Act, assign or transfer this Agreement or any of its rights or obligations hereunder to a related or an unrelated party upon prior written notice to Data Recipient.

19. Force Majeure. Neither party to this Agreement will be liable for delay or failure to perform its obligations hereunder (other than a failure to pay amounts when due) caused by an event that is beyond the party's control; provided, however, that such party will not have contributed in any way to such event.

20. Severability. Each provision of this Agreement will be deemed to be effective and valid under applicable law, but if any provision of this Agreement is determined to be invalid, void, or unenforceable under any law, rule, administrative order or judicial decision, that determination will not affect the validity of the remaining provisions of this Agreement, and such provision shall be construed to be effective and valid to the fullest extent under applicable law.

21. Relationship of the Parties. Nothing herein shall be construed to create a joint venture or partnership between the parties hereto. Neither party hereto shall have any express or implied right or authority to assume or create any obligations on behalf of or in the name of the other party or to bind the other party to any contract, agreement, or undertaking with any third party.

22. Entire Agreement; Priority Rules; Amendment; Waiver. Notwithstanding anything in this Agreement to the contrary, the terms and conditions of any applicable Additional Agreements entered into by Data Recipient with the Exchange shall be incorporated herein by reference, and, together with this Agreement, shall constitute the complete and entire statement of all conditions and representations of the agreement between Bats and Data Recipient with respect to its subject matter and supersedes all prior writings or understandings, including, without limitation, any Exchange Data Vendor Agreement entered into with the Exchanges. If there is any conflict or inconsistency between this Agreement and any of the Additional Agreements with respect to the receipt or use of Exchange Data as contemplated herein, the following order of precedence shall apply, to the extent applicable to Data Recipient: (a) the Price List or Fee Schedule; (b) the Bats Data Feed Order Form and System Description, the Hotspot Data Feed Order Form and System Description and/or the Direct Edge System Description/Data Feed Request, as applicable; (c) this Agreement; (d) the User Agreement; and (e) any additional terms and conditions, policies or agreements entered into by Data Recipient with Bats or any of its subsidiaries or affiliates (including without limitation Direct Edge LLC) relating to the subject matter hereof.

Except as may otherwise be set forth in this Agreement, Bats may alter any term or condition of this Agreement or the Subscriber Agreement on 60 days' prior written notice to Data Recipient, and any receipt or use of Exchange Data after such date is deemed acceptance of the new term or condition. The means of notifying Data Recipient of such new term or condition may include, but not be limited to, emailing such term or condition to Data Recipient or posting such alteration on the Bats web site or a successor site upon written notice to Data Recipient. No failure on the part of Bats or Data Recipient

to exercise, no delay in exercising, and no course of dealing with respect to any right, power, or privilege under the Agreement shall operate as a waiver thereof, nor shall any single or partial exercise of any such right, power, or privilege preclude any other or further exercise thereof or the exercise of any other right, power, or privilege under this Agreement.

23. Governing Law; Venue. This Agreement will be governed by and interpreted in accordance with the laws of the State of New York without giving effect to any choice or conflict of law provision or rule. Both parties submit to the jurisdiction of the state and federal courts in and for the State of New York for the resolution of any dispute arising under this Agreement.

24. Affiliates. Notwithstanding anything to the contrary in this Agreement, any affiliate of the Data Recipient is entitled to exercise the rights of Data Recipient set forth herein on behalf of itself, the Data Recipient, or any other affiliate of the Data Recipient, including, but not limited to, rights to use and distribute Exchange Data to other parties, subject to the terms of this Agreement. If this Agreement will be applicable to an affiliate, Data Recipient must submit a list of any such affiliate(s) to Bats. By submitting the names of its affiliate(s), Data Recipient agrees that the contact information set forth herein shall be deemed to be the contact information for each affiliate and that DATA RECIPIENT SHALL ASSUME ALL RESPONSIBILITY FOR AND WILL HOLD HARMLESS AND INDEMNIFY BATS AGAINST ANY ACTION OR INACTION BY AN AFFILIATE AS IF SUCH ACTION OR INACTION WERE THAT OF DATA RECIPIENT, AND DATA RECIPIENT AND ITS AFFILIATE(S) SHALL BE JOINTLY AND SEVERALLY LIABLE FOR ALL ACTIONS AND/OR INACTIONS OF THE OTHER(S). All of the rights and licenses granted to, and all obligations of, Data Recipient under this Agreement will apply to such affiliate(s) to the same extent as applicable to Data Recipient.

For purposes of this Agreement, an "affiliate" of Data Recipient shall include any entity that, from time to time, directly or indirectly Controls, is Controlled by, or is under common Control with Data Recipient. "Control" means the power to direct or cause the direction of the management or policies of another entity, whether through the ownership of voting securities, by contract, or otherwise. The Data Recipient may delegate any of its responsibilities, obligations or duties under or in connection with this Agreement to any affiliate of the Data Recipient or an authorized third party agent, which may discharge those responsibilities, obligations or duties on behalf of the Data Recipient in accordance with this Agreement.

25. Headings. Section headings are included for convenience only and are not to be used to construe or interpret this Agreement. All references contained herein to sections or subsections shall refer to the sections or subsections of this Agreement, unless specific reference is made to the sections or subsections of another document.

26. Cumulative Remedies. Except as otherwise limited herein, all rights and remedies provided in this Agreement are cumulative and not exclusive, and the exercise by either party of any right or remedy does not preclude the exercise of any other rights or remedies that may now or subsequently be available at law, equity, by statute, in any other agreement between the parties (including without limitation the Additional Agreements) or otherwise.

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

[Remainder of page intentionally left blank. Signature page follows.]

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed by their duly authorized officers.

Data Recipient: _____

Bats Global Markets, Inc., on behalf of itself and its subsidiaries and affiliates

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Date: _____

Bats Global Markets, Inc. Data Feed Order Form and System Description

Initial Form
 Amended Form
 Add/Remove Data Feed Subscription

DATA RECIPIENT INFORMATION			
Company Name:		Date:	
Address of Principal Office:			
City:	State:	Zip Code:	
BILLING ADDRESS			
Address of Billing Office:			
City:	State:	Zip Code:	
BUSINESS CONTACT		BILLING CONTACT	
Name:		Name:	
Title:		Title:	
Email:		Email:	
Phone:	Fax:	Phone:	Fax:
MARKET DATA ADMINISTRATOR**		TECHNICAL CONTACT	
Name:		Name:	
Title:		Title:	
Email:		Email:	
Phone:	Fax:	Phone:	Fax:

*The Billing Contact will be assigned a web log-in to manage the Data Recipient's monthly invoices via the Bats website.

**The Market Data Administrator will be assigned a web log-in to manage the Data Recipient's monthly usage reporting.

How will you receive Bats data?
 Directly from Bats or via an Extranet (complete Connectivity Section A)
 Through one or more Market Data Vendors (complete Connectivity Section B)
 Both (complete Connectivity Sections A and B)

CONNECTIVITY – SECTION A	
BZX/BYX/EDGX/EDGA Data Center Location: <input type="checkbox"/> Primary – Secaucus <input type="checkbox"/> Secondary – Chicago <input type="checkbox"/> PoP - Weehawken	
Connection Type:	
<input type="checkbox"/> New <input type="checkbox"/> Existing	
<input type="checkbox"/> Direct Connection (Co-Lo / Long Haul) <input type="checkbox"/> 1G <input type="checkbox"/> 10G <input type="checkbox"/> Other: _____ Protocol <input type="checkbox"/> Multicast <input type="checkbox"/> TCP	
<input type="checkbox"/> Extranet	
<input type="checkbox"/> Interactive Data <input type="checkbox"/> NYSE (SFTI) <input type="checkbox"/> Radianz <input type="checkbox"/> IPC	<input type="checkbox"/> SAVIS, Inc. <input type="checkbox"/> TMX Atrium Networks <input type="checkbox"/> TNS <input type="checkbox"/> Other: _____
CONNECTIVITY – SECTION B	
Please identify all Vendors through which you will receive Bats Market Data:	

DATA FEED SUBSCRIPTION / CHANGE REQUEST

Bats BZX Exchange, Inc. (BZX)

Data Feed (Protocol)	Add	Remove	Digital Media License***	Enterprise License***	Real-Time	Historical	Effective Date
BZX Depth of Book (Multicast / TCP)	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
BZX Top (TCP / API)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BZX Last Sale (TCP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BZX Book Viewer (API)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
BZX Options Depth (Multicast)	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	

Bats BYX Exchange, Inc. (BYX)

Data Feed	Add	Remove	Digital Media License	Enterprise License	Real-Time	Historical	Effective Date
BYX Depth of Book	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
BYX Top	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BYX Last Sale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BYX Book Viewer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Bats EDGX Exchange, Inc. (EDGX)

Data Feed	Add	Remove	Digital Media License	Enterprise License	Real-Time	Historical	Effective Date
EDGX Depth of Book	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
EDGX Depth Attributed	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>		
EDGX Top	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EDGX Last Sale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EDGX Book Viewer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
EDGX Options Depth	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	

Bats EDGA Exchange, Inc. (EDGA)

Data Feed	Add	Remove	Digital Media License	Enterprise License	Real-Time	Historical	Effective Date
EDGA Depth of Book	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
EDGA Top	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EDGA Last Sale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EDGA Book Viewer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Bats One Feed

Data Feed	Add	Remove	Digital Media License	Enterprise License	Real-Time	Historical	Effective Date
Bats One Summary (Multicast / TCP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Bats One Premium (Multicast / TCP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

***Digital Media and Enterprise Licenses apply only to Exchange Top, Last Sale, Book Viewer, and Bats One.

SYSTEM DESCRIPTION

Please provide a complete description of the system that makes use of Bats data, including the system name.

Name / Version of Data System:

Name/Version of Entitlement System

Please provide a description of the system that make use of the Data, and/or the Entitlement System:

Will your organization use Bats data internally? Yes No

Will your organization distribute Bats data to Affiliates****? Yes No
 If yes, please complete the Bats Global Markets List of Affiliates.

**** "Affiliate" shall mean any entity that, from time to time, directly or indirectly, Controls, is Controlled by, or is under common Control with such party. "Control" means the power to direct or cause the direction of the management of policies of another entity, whether through the ownership of voting securities, by contract, or otherwise.

Will your organization distribute Bats data externally? Yes No
 If yes, is the data distribution Controlled Uncontrolled or Both
 Please provide information for all Data Recipients receiving uncontrolled Bats data from your organization.

DATA USER INFORMATION

Company Name:		Date:
Address of Principal Office:		
City:	State:	Zip Code:
BUSINESS CONTACT		TECHNICAL CONTACT
Name:		Name:
Title:		Title:
Email:		Email:
Phone:	Fax:	Fax:

DATA USER INFORMATION

Company Name:		Date:
Address of Principal Office:		
City:	State:	Zip Code:
BUSINESS CONTACT		TECHNICAL CONTACT
Name:		Name:
Title:		Title:
Email:		Email:
Phone:	Fax:	Fax:

DATA FROM OPTIONS PRICING REPORTING AUTHORITY (OPRA)

Dissemination of Bats Options data is limited to parties who have equivalent access to Consolidated Options Information disseminated by OPRA for the same classes or series of options that are included in the Proprietary Information. Access to consolidated Options Information and access to Proprietary Information are deemed "equivalent" if both kinds of information are equally accessible.

Indicate whether you currently receive data from OPRA: Yes No

If yes, please indicate which vendor provides your OPRA data: _____

ADDITIONAL DATA FEEDS

HISTORICAL DATA

Data Recipients can subscribe to Bats Historical Depth of Book, Top of Book, and Last Sale data on a T+1 basis. Up to three months of data is available via download from the Bats website. Additional data can be uploaded to a 1TB hard drive for a single fee per drive.

A Bats web login account is required to subscribe to these Historical Data products. For assistance, please visit http://www.Batstrading.com/market_data/products/ or contact Bats Market Data Services at 212.378.8821 or marketdata@Bats.com.

OTHER DATA FEEDS

The Bats Auction Feed will continue to be provided to Data Recipients upon request. To request a subscription, please contact Bats Market Data Services at 212.378.8821 or marketdata@Bats.com.

I certify that the information provided within the System Description is accurate.

Signature of Data Recipient Authorized Representative

Title

Printed Name

Date

Bats Global Markets, Inc.

List of Affiliates

This List of Affiliates is for the Bats Global Markets, Inc. Data Agreement.

"Affiliate" shall mean any entity that, from time to time, directly or indirectly, Controls, is Controlled by, or is under common Control with such party. "Control" means the power to direct or cause the direction of the management of policies of another entity, whether through the ownership of voting securities, by contract, or otherwise.

By submitting the names of its Affiliate(s), Data Recipient agrees that the contact information set forth herein shall be deemed to be the contact information for each Affiliate, as may be modified by Data Recipient from time to time, and that DATA RECIPIENT SHALL ASSUME ALL RESPONSIBILITY FOR AND WILL HOLD HARMLESS AND INDEMNIFY BATS GLOBAL MARKETS, INC. AND ITS AFFILIATES AGAINST ANY ACTION OR INACTION BY AN AFFILIATE OF DATA RECIPIENT AS IF SUCH ACTION OR INACTION WERE THAT OF DATA RECIPIENT, AND, DATA RECIPIENT AND ITS AFFILIATE(S) SHALL BE JOINTLY AND SEVERALLY LIABLE FOR ALL ACTIONS AND/OR INACTIONS OF THE OTHER(S).

Data Recipient may regard changes to the table below as accepted by Bats unless Bats notifies Data Recipient of an objection within 30 days of receipt of notification of the change.

NAME OF AFFILIATE	REGISTERED ADDRESS

**Attach additional page(s) as necessary.*

I certify that the information provided on this List of Affiliates is complete and accurate.

Data Recipient Name

Signature of Data Recipient Authorized Representative

Title

Printed Name

Date

Bats Global Markets, Inc. Subscriber Agreement

Vendor may not modify or waive any term of this Agreement. Any attempt to modify this Agreement, except by Bats Global Markets, Inc. or its affiliates (collectively, "Bats"), is void.

This Bats Global Markets, Inc. Subscriber Agreement (this "Agreement"), with an effective date as of the last date executed on the signature page hereof, is made by and between the vendor referenced below ("Vendor") and the subscriber referenced below ("Subscriber").

1. **Definitions:** Capitalized terms used herein shall have the meanings set forth in this Section 1.

"**Claims or Losses**" shall mean any and all liabilities, obligations, losses, damages, penalties, claims, actions, suits, costs, judgments, settlements and expenses of any nature, whether incurred by or issued against an indemnified party or a third-party, including, without limitation, (a) indirect, special, punitive, consequential or incidental loss or damage, and (b) administrative costs, investigatory costs, litigation costs and auditors' and attorneys' fees and expenses (including in-house personnel).

"**Exchange Data**" shall mean certain data and other information relating to securities or other financial instruments, products, vehicles or devices; or relating to Persons regulated by Bats or to activities of Bats; or gathered by Bats from other sources.

"**Non-Professional Subscriber**" shall mean any natural person who is not: (a) registered or qualified in any capacity with the SEC, the Commodities Futures Trading Commission, any state securities agency, any securities exchange or association, or any commodities or futures contract market or association; (b) engaged as an "investment advisor" as that term is defined in Section 202(a)(11) of the Investment Advisors Act of 1940 (whether or not registered or qualified under that Act); or (c) employed by a bank or other organization exempt from registration under federal or state securities laws to perform functions that would require registration or qualification if such functions were performed for an organization not so exempt.

"**Person**" shall mean any individual, corporation, limited liability company, trust, joint venture, association, company, limited or general partnership, unincorporated organization, or other entity.

"**Professional Subscriber**" shall mean all other Persons who do not meet the definition of Non-Professional Subscriber.

"**SEC**" shall mean the U.S. Securities and Exchange Commission.

"**Subscriber**" shall mean, collectively, all Non-Professional Subscribers and Professional Subscribers.

"**Vendor**" shall mean "Data Recipient," as that term is defined in the Bats Global Markets, Inc. Data Agreement, as may be modified from time to time.

"**Vendor's Service**" shall mean the service from a Vendor, including the data processing equipment, software, and communications facilities related thereto, for receiving, processing, transmitting, using, and disseminating Exchange Data to or by Subscriber.

2. **Use of Data.** Subscriber may not sell, lease, furnish or otherwise permit or provide access to Exchange Data to any other Person or to any other office or place. Subscriber will not engage in the operation of any illegal business use or permit anyone else to use Exchange Data, or any part thereof, for any illegal purpose or violation of any Bats or SEC rule or regulation. Subscriber may not present Exchange Data rendered in any unfair, misleading, or discriminatory format. Subscriber shall take reasonable security precautions to prevent unauthorized Persons from gaining access to Exchange Data.

Use by Non-Professional Subscribers. Exchange Data is licensed only for personal use by a Non-Professional Subscriber. By representing to Vendor that Subscriber is a Non-Professional Subscriber, or by continuing to receive Exchange Data at a Non-Professional Subscriber rate, Subscriber is affirming to Vendor and Bats that Subscriber meets the definition of Non-Professional Subscriber as set forth herein. A Non-Professional Subscriber shall comply promptly with

any reasonable request from Bats, or its designee, for information regarding the Non-Professional Subscriber's receipt, processing, display, use, and redistribution of Exchange Data.

Use by Professional Subscribers. Exchange Data is licensed for internal business use and/or personal use by a Professional Subscriber. Professional Subscriber may, on a non-continuous basis, furnish limited amounts of Exchange Data to customers in written advertisements, correspondence, or other literature during voice telephonic conversations not entailing computerized voice, automated information inquiry systems, or similar technologies. Professional Subscriber shall make its premises available to Bats, or its designee, for physical inspection of Vendor's Service and of Professional Subscriber's use of Exchange Data (including review of any records regarding use of or access to Exchange Data and the number and locations of all devices that receive Exchange Data), all at reasonable times and upon reasonable notice, to ensure compliance with this Agreement.

3. Proprietary Data. Bats grants to Subscriber a non-exclusive, non-transferable license during the term of the Agreement to receive Exchange Data distributed to it by Vendor and, thereafter, to use such Exchange Data as permitted under the terms of this Agreement and all applicable laws, statutes, rules, and regulations of Bats and the SEC, including but not limited to, Bats' rule filings, Bats' decisions and interpretations and any specifications or successors of such laws, statutes, rules, and regulations. Subscriber acknowledges and agrees that Bats and its affiliates have proprietary rights to Exchange Data that originates on or is derived from markets regulated or operated by Bats and compilation or other rights to Exchange Data gathered from other sources. Subscriber further acknowledges and agrees that Bats' third-party information providers have exclusive proprietary rights to their respective information. In the event of any misappropriation or misuse by Subscriber or anyone who accesses Exchange Data through Subscriber, Bats or its third-party information providers shall have the right to obtain injunctive relief for its respective materials. Subscriber shall attribute the source of Exchange Data as appropriate under all circumstances.

4. Payment. Subscriber shall assume full and complete responsibility for the payment of any taxes, charges, or assessments imposed on Subscriber or Bats (except for U.S. federal, state, or local incomes taxes, if any, imposed on Bats) by any foreign or domestic national, state, provincial, or local governmental bodies, or subdivisions thereof, and any penalties or interest relating to the provision of Exchange Data to Subscriber. Interest shall be due from the date of the invoice to the time that the amounts that are due have been paid. To the extent permitted by applicable law, Subscriber acknowledges and agrees that the termination of Vendor's Services for failure to make payments shall not be considered an improper limitation of access by Bats. For Professional Subscribers, if any payment is due directly to Bats under this Agreement, payment in full is due Bats in immediately available funds within 30 days of the date of an invoice, whether or not use is made of, or access it made to, Exchange Data. Subscriber agrees to pay Bats a late charge in the amount of 1% per month on all past due amounts that are not the subject of a legitimate and bona fide dispute.

5. System. Subscriber acknowledges that Bats, in its sole discretion, may from time to time make modifications to its system or Exchange Data. Such modifications may require corresponding changes to be made to Vendor's Service. Changes or the failure to make timely changes by Vendor may sever, delay, or otherwise affect Subscriber's access to or use of Exchange Data. Bats shall not be responsible for any such effects. Bats does not endorse or approve any Vendor, Vendor's Service or equipment utilized by Vendor or Subscriber.

6. Limitation of Liability.

Bats, its officers, directors, shareholders, employees, agents and consultants shall not be liable to Subscriber or to any other Person for any inaccurate or incomplete Exchange Data received from Bats or from Vendor, any delays, interruptions, errors, or omissions in the furnishing thereof, or any direct, indirect or consequential damages arising from or occasioned by said inaccuracies, delays, interruptions, errors or omissions.

This Section shall not relieve Bats, Vendor, Subscriber, or any other Person from liability for damages that result from their own gross negligence or willful tortious misconduct or from personal injury or wrongful death claims.

Bats, Vendor, and Subscriber understand and agree that the terms of this Section reflect a reasonable allocation of risk and limitation of liability.

7. Disclaimer of Warranties. SUBSCRIBER EXPRESSLY ACKNOWLEDGES THAT BATS AND ITS THIRD-PARTY INFORMATION PROVIDERS DO NOT MAKE ANY REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OR ANY WARRANTIES OF MERCHANTABILITY, QUALITY OR FITNESS FOR A PARTICULAR PURPOSE.

8. Third-Party Information Providers' Limitation of Liability. Bats' third-party information providers shall have no liability for any damages, whether direct or indirect, whether lost profits, indirect, special, or consequential damages of Subscriber or any other Person seeking relief through Subscriber relating to the accuracy of or delays or omissions in any Exchange Data provided by Bats' third-party information providers, even if the third-party information providers have been advised of the possibility of such damages. In no event will the liability of the third-party information providers or their affiliates to Subscriber or any other Person seeking relief through Subscriber pursuant to any cause of action, whether in contract, tort, or otherwise, exceed the fee paid by Subscriber or any other Person seeking relief through Subscriber, as applicable.

9. Claims and Losses. Subscriber agrees to indemnify and hold harmless Bats, its owners, subsidiaries, affiliates, officers, directors, employees, agents, and any related Persons from any and all Claims or Losses imposed on, incurred by, or asserted as a result of or relating to: (a) any noncompliance by Subscriber with the terms and conditions hereof; and (b) any third-party actions related to Subscriber's receipt and use of Exchange Data, whether authorized or unauthorized under this Agreement. Each party agrees to indemnify and hold harmless (and in every case, Bats shall be permitted to solely defend and settle) another party (including Bats) and their owners, subsidiaries, affiliates, officers, directors, employees, agents, and any related Persons, against any Claims or Losses arising from, involving, or relating to a claim of infringement or other violation of an intellectual property right by the indemnifying party provided that: (a) the indemnified party promptly notifies the indemnifying party in writing of the Claims or Losses; and (b) the indemnified party reasonably cooperates in the defense of the Claims or Losses.

10. Termination. Subscriber acknowledges that Bats, when required to do so in fulfillment of statutory obligations or otherwise, may by notice to Vendor unilaterally limit or terminate the right of any or all Persons to receive or use Exchange Data, or any part thereof, and that Vendor shall immediately comply with any such notice and terminate or limit the furnishing of Exchange Data and confirm such compliance by written notice to Bats. Any affected Person will have available to it such procedural protections as are provided by the Securities Exchange Act of 1934 (the "Act") and applicable rules and regulations thereunder. In addition to the termination rights permitted under any agreement Subscriber may have with Vendor, this Agreement may be terminated by Subscriber upon 30 days' written notice to Vendor and by Bats upon 30 days' written notice either to Vendor or Subscriber. In the event of Subscriber's breach, the discovery of the untruth of any representation or warranty of Subscriber, or where directed by the SEC in its regulatory authority, Bats may terminate this Agreement upon not less than 3 days' written notice to Subscriber provided either by Bats or Vendor.

11. Notices. All communications required to be given in writing to Bats under this Agreement shall be directed to:

Bats Global Markets, Inc.
8050 Marshall Drive, Suite 120
Lenexa, KS 66214
Attn: Legal Department

Direct communication to Subscriber at the last address known to Vendor shall be considered given (a) upon actual receipt if delivered by email, or (b) upon posting the notice or other communication on www.bats.com or a successor site. Subscriber promptly shall give written notice to Vendor of any change in the name or place of residence or business at which Exchange Data is received.

12. Assignment. This Agreement shall inure to the benefit of and shall be binding upon the parties hereto and their respective permitted successors and assigns. Neither Vendor nor Subscriber shall assign this Agreement (including by operation of law) without the prior written consent of Bats, provided, however, that Bats shall not unreasonably withhold such consent. Notwithstanding the foregoing, Vendor or Subscriber may assign this Agreement to an affiliate or subsidiary without the prior written consent of Bats, provided that the assigning party is not currently in breach of this Agreement or delinquent in any fees owed to Bats. Bats may, as permitted by the Act, assign or transfer this Agreement or any of its rights or obligations hereunder to a related or unrelated party upon notice to Vendor and Subscriber.

13. Severability. Each provision of this Agreement will be deemed to be effective and valid under applicable law, but if any provision of this Agreement is determined to be invalid, void, or unenforceable under any law, rule, administrative order or judicial decision, that determination will not affect the validity of the remaining provisions of this Agreement.

14. Entire Agreement; Amendment; Waiver. This Agreement constitutes the complete and entire agreement of the parties to this Agreement with respect to its subject matter and supersedes all prior writings or understandings. If there is any conflict and/or inconsistency between this Agreement and Vendor's agreement with Subscriber, the terms of this Agreement shall prevail as between Bats and Subscriber. Bats may modify any term of this Agreement

upon 60 days' written notice either to Vendor or Subscriber, and any use of Exchange Data after such date shall be deemed acceptance of the new term or condition. No failure on the part of Bats or Subscriber to exercise, no delay in exercising, and no course of dealing with respect to any right, power, or privilege under the Agreement shall operate as a waiver thereof, nor shall any single or partial exercise of any such right, power, or privilege preclude any other or further exercise thereof or the exercise of any other right, power, or privilege under this Agreement.

15. Governing Law; Venue. This Agreement will be governed by and interpreted in accordance with the internal laws of the State of New York, USA. Subscriber hereby submits to the jurisdiction of the state and federal courts in and for the State of New York, USA for the resolution of any dispute arising under this Agreement.

16. Headings. Section headings are included for convenience only and are not to be used to construe or interpret this Agreement. All references contained herein to sections or subsections shall refer to the sections or subsections of this Agreement, unless specific reference is made to the sections or subsections of another document.

17. Third-Party Beneficiary. Vendor and Subscriber hereby designate Bats as a third-party beneficiary of this Agreement, having the right to enforce any provision herein.

18. Cumulative Remedies. Except as otherwise limited herein, all rights and remedies provided in this Agreement are cumulative and not exclusive, and the exercise by either party of any right or remedy does not preclude the exercise of any other rights or remedies that may now or subsequently be available at law, equity, by statute, in any other agreement between the parties (including without limitation the Additional Agreements) or otherwise.

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

[Remainder of page intentionally left blank. Signature page follows.]

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed by their duly authorized officers.

To execute this Agreement, you must be 18 years of age and you must designate yourself as either a Non-Professional Subscriber or Professional Subscriber (see Section 2 above).

Subscriber Type: Individual – Complete Section A.
 Firm or Organization – Complete Section B.

A. Individual Subscriber Information

Subscriber Name: _____

Signature: _____

Date: _____

Subscriber Status: Professional Non-Professional*

**To qualify as a Non-Professional Subscriber, you must meet all of the terms set forth in Section 2 of the Agreement.*

B. Organizational Subscriber Information

Subscriber Organization Name: _____

Representative Name: _____

Title: _____

Signature: _____

Date: _____

**The Representative must be authorized in writing by the organization or firm to execute the Agreement. Bats may request documentation evidencing this authority.*

Vendor Information (for Vendor or Data Provider Use Only)

Vendor Name: _____

Representative Name: _____

Title: _____

Signature: _____

Date: _____

**The Representative must be authorized in writing by Vendor to execute the Agreement. Bats may request documentation evidencing this authority.*

Bats Global Markets, Inc. Service Facilitator List

This Service Facilitator List is for the Bats Global Markets, Inc. Data Agreement.

DATA RECIPIENT INFORMATION		
Company Name:	Date:	
SERVICE FACILITATOR INFORMATION		
Company Name:	Date:	
Address of Receipt of Exchange Data:		
City:	State:	Zip:
BUSINESS CONTACT		
Name:	Email:	
Title:	Phone:	
Description of service provided:		
DATA DISTRIBUTION: <input type="checkbox"/> Controlled <input type="checkbox"/> Uncontrolled		
Will the Service Facilitator be responsible for reporting data feed usage on behalf of the Data Recipient? <input type="checkbox"/> Yes <input type="checkbox"/> No		

SERVICE FACILITATOR INFORMATION		
Company Name:	Date:	
Address of Receipt of Exchange Data:		
City:	State:	Zip:
BUSINESS CONTACT		
Name:	Email:	
Title:	Phone:	
Description of service provided:		
DATA DISTRIBUTION: <input type="checkbox"/> Controlled <input type="checkbox"/> Uncontrolled		
Will the Service Facilitator be responsible for reporting data feed usage on behalf of the Data Recipient? <input type="checkbox"/> Yes <input type="checkbox"/> No		

**Attach Additional pages(s) as necessary*

I certify that the information provided on this Service Facilitator List is complete and accurate.

Data Recipient Name

Signature of Data Recipient Authorized Representative

Printed Name

Title

Date

Bats Global Markets, Inc.
External Controlled Data Distributor Trial Addendum

This Bats Global Markets, Inc. External Controlled Data Distributor Trial Addendum (this "Addendum") amends and supplements the Bats Global Markets, Inc. Data Agreement (including any amendments thereto, the "Data Agreement") entered into between Bats Global Markets, Inc., a Delaware corporation ("Bats"), and the External Controlled Data Distributor referenced below ("ECDD"). Capitalized terms used and not defined in this Addendum shall have the respective meanings set forth in the Data Agreement.

A. ECDD qualifies as an External Controlled Data Distributor, as specified in the Bats Global Markets, Inc. U.S. Market Data Policies (as may be amended by Bats in its discretion from time to time, the "Policies").

B. ECDD desires to offer Exchange Data to Data Users on a trial basis.

C. Bats is willing to permit such distribution of Exchange Data to Data Users on a trial basis, subject to the terms and conditions of this Addendum.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Bats and ECDD agree as follows:

1. **Trial.** ECDD may provide Exchange Data to Data Users on a trial basis, solely in accordance with the Trial Usage terms and conditions set forth in the Policies.
2. **Disclaimer and Limitation.** ECDD ACKNOWLEDGES AND AGREES THAT (A) ANY AND ALL EXCHANGE DATA PROVIDED UNDER THIS ADDENDUM IS PROVIDED ON AN "AS IS," "AS AVAILABLE" BASIS, WITHOUT WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, (B) AS BETWEEN BATS AND ECDD, ECDD SHALL BE SOLELY RESPONSIBLE FOR ALL DISTRIBUTION AND USE OF ANY EXCHANGE DATA PURSUANT TO THIS ADDENDUM, AND (C) UNDER NO CIRCUMSTANCES SHALL BATS, ANY EXCHANGE OR ANY OTHER AFFILIATES OF BATS HAVE ANY LIABILITY FOR ANY EXPENSES, COSTS, DAMAGES, LOSSES AND LIABILITIES OF ANY NATURE WHATSOEVER, INCLUDING WITHOUT LIMITATION DIRECT, INDIRECT, CONSEQUENTIAL, SPECIAL, PUNITIVE OR INDIVIDUAL DAMAGES, LOST PROFITS, OR TRADING LOSSES, REGARDLESS OF THE FORM OF ACTION, AND WHETHER OR NOT FORESEEABLE, ARISING OUT OF THIS ADDENDUM OR ANY USE OF, INABILITY TO USE, OR RELIANCE UPON ANY EXCHANGE DATA PROVIDED HEREUNDER.
3. **Indemnification.** ECDD shall indemnify and hold harmless Bats Indemnified Parties from and against any and all Claims and Losses imposed on or asserted against Bats Indemnified Parties by a third party resulting from, in connection with, or arising out of (a) any distribution by ECDD of Exchange Data under this Addendum, and/or (b) any use of, inability to use, or reliance upon any Exchange Data by any Data User to which ECDD provides Exchange Data on a trial basis, whether or not authorized by ECDD.
4. **Miscellaneous.** This Addendum amends and supplements the Data Agreement and all terms thereof are hereby incorporated by reference herein. In the event of any conflict between the terms of this Addendum and the terms of the Data Agreement, the terms of this Addendum shall control.

IN WITNESS WHEREOF, the parties hereto have caused this Addendum to be executed by their duly authorized officers.

External Controlled Data Distributor

Bats Global Markets, Inc. on behalf of itself and its subsidiaries and affiliates

Firm: _____

Signature: _____

Signature: _____

Printed Name: Bryan Harkins

Printed Name: _____

Title: EVP, Head of US Markets

Title: _____

Date: _____



Bats Global Markets, Inc.
U.S. Market Data Policies

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Bats Global Markets, Inc.

U.S. Market Data Policies

Under the terms of the Bats Global Markets, Inc. Data Agreement ("Data Agreement"), firms receiving Exchange Data must adhere to these Bats U.S. Market Data Policies (the "Policies"). These Policies cover the receipt, use, pricing, reporting, and distribution of Exchange Data. Unless otherwise specified, and except in the case of foreign currency trading data, references herein to "Exchange Data" refer to U.S. Exchange Data. For policies specific to the receipt, use, pricing, reporting, and distribution of European Exchange Data, including terminology and pricing unique to European Exchange Data, please refer to the Bats Chi-X Europe Market Data Policy available on the Bats Chi-X Europe website.

Bats Global Markets, Inc. ("Bats") reserves the right to update these Policies from time to time and will communicate any updates to Data Recipients via email and the Bats website. All capitalized terms used herein that are not defined below are defined in the Data Agreement.

1 Definitions

Controlled Data Distributor – A Data Recipient that (i) provides Exchange Data to a Data User (either an Internal Subscriber or an External Subscriber) and (ii) controls the entitlements of and display of information to such Data User. If the Data User is either an employee of the Controlled Data Distributor or an employee of an Affiliate of the Controlled Data Distributor identified on the Bats List of Affiliates (*i.e.*, an Internal Subscriber), such Controlled Data Distributor is considered to be an "Internal Controlled Data Distributor." If the Data User is not an employee of the Controlled Data Distributor or of an Affiliate thereof identified on the Bats List of Affiliates (*i.e.*, an External Subscriber), such Controlled Data Distributor is considered to be an "External Controlled Data Distributor."

Data Feed Subscriber – Any Data User outside of Data Recipient that (a) receives Exchange Data from Data Recipient and (b) for which Data Recipient cannot substantially control Exchange Data for the purposes of reporting usage or qualification.

Data Recipient – A third party that receives a data feed directly from Bats or through a third party that is an Uncontrolled Data Distributor and includes (a) any Person that receives and uses Exchange Data for internal purposes only, and (b) any Person that receives and distributes Exchange Data, in each case pursuant to and in accordance with the terms and conditions of this Agreement and Exchange Requirements.

Data User – Any Person that receives Exchange Data from Data Recipient.

Display Usage – The access to and/or use of Exchange Data by a Data User via a graphical user interface, application or other medium which displays Exchange Data.

Non-Display Usage – Any accessing, use, processing and/or consuming of Exchange Data that is not Display Usage, including but not limited to accessing, use, processing and/or consuming of Exchange Data by a machine or automated device for a purpose other than to display Exchange Data.

Non-Professional Data User – If working in the United States, a natural person who is not: (i) registered or qualified in any capacity with the Securities Exchange Commission, the Commodity Futures Trading Commission, any state securities agency, any securities exchange or association; any commodities or futures contract market or association; (ii) engaged as an "investment adviser" as that term is defined in Section 201(11) of the Investment Advisers Act of 1940 (whether or not registered or qualified under that Act); or (iii) employed by a bank or other organization exempt from registration under federal or state securities laws to perform functions that will require registration or qualification if such functions were performed for an organization not so exempt." Additionally, any natural person who works outside of the United States will also be considered a "Non-Professional Data User" if he or she is similarly situated as someone who would be considered a "Non-Professional Data User" in the United States.

Professional Data User - Any Data User other than a Non-Professional User.

Uncontrolled Data Distributor – A Data Recipient that is authorized by Bats to distribute Exchange Data externally to a customer that is not an Affiliate of Data Recipient where the Data Recipient does not control the entitlements of and display of information to such customer (*i.e.*, a "Data Feed Subscriber").

2 Display Requirements

Attribution

Each Data Recipient must identify Bats as the source of any Exchange Data through use of the name of the applicable Exchange – “Bats BZX Exchange”, “Bats BYX Exchange”, “Bats EDGA Exchange”, “Bats EDGX Exchange”, or “Hotspot” – on applicable depth of book displays of Exchange Data. Distributors of Bats quote or last sale information to Data Users must provide a prominent attribution message on all displays, including wall boards, tickers, mobile devices, and audio announcements on voice response services. In the case of a ticker, the attribution message should be interspersed with the Exchange Data at least every 90 seconds.

Quote/Last Sale Information Source	Required Attribution Message
BZX Depth, BZX Top, or BZX Last Sale	Bats BZX Real-Time Quote, Bats BZX Real-Time Last Sale or Bats BZX Real-Time Price
BYX Depth, BYX Top, or BYX Last Sale	Bats BYX Real-Time Quote, Bats BYX Real-Time Last Sale or Bats BYX Real-Time Price
EDGX Depth, EDGX Top, or EDGX Last Sale	Bats EDGX Real-Time Quote, Bats EDGX Real-Time Last Sale or Bats EDGX Real-Time Price
EDGA Depth, EDGA Top, or EDGA Last Sale	Bats EDGA Real-Time Quote, Bats EDGA Real-Time Last Sale or Bats EDGA Real-Time Price
Bats One	Bats One Real-Time Quote, Bats One Real-Time Last Sale or Bats One Real-Time Price ¹
Hotspot US Depth	Hotspot US Quote, Hotspot US Rate
Hotspot London Depth	Hotspot London Quote, Hotspot London Rate

If the Exchange Data is being provided on a delayed basis, the Data Recipient must appropriately attribute Exchange Data as delayed (e.g., “Data Delayed 15 Minutes”). Alternatives for Exchange Data attribution on displays may be permitted with the prior written approval of Bats if the alternative accurately and unambiguously describes the source of the Exchange Data. Requests for alternative attribution may be made via email to marketdata@bats.com.

Marketing Materials

Each Data Recipient may use Bats' corporate name, the names of Bats' market data products, and the trademarks of Bats set forth in the Bats Brand Standards Manual available through contacting Bats Market Data Services at marketdata@bats.com in any marketing, publicity or advertising materials related to the business of the Data Recipient, provided that such use is solely for purposes of exercising Data Recipient's rights under the Data Agreement and is in compliance with the guidelines set forth in the Bats Brand Standards Manual.

3 Record Retention Requirements

Each Data Recipient must create and maintain complete and accurate books and records relating to the Data Recipient's performance of its obligations and exercise of its rights under the Data Agreement, including without limitation the receipt, use, display and distribution of Exchange Data and the administration of the Bats Subscriber Agreement or equivalent, if applicable.

4 Data Recipient Approval Requirements

Each firm that is requesting Exchange Data must complete and submit to Bats the following: (i) Data Agreement, (ii) List of Affiliates (if applicable); (iii) Exchange Data Order Form and System Description; and (iv) Service Facilitator List (if applicable). The Exchange Data Order Form and System Description requires firms to provide key contact information, identify the desired feed(s) and a description of the system that makes use of Exchange Data internally or if you are distributing externally, a description of the service(s) and Exchange Data you plan to provide to Data Users.

Each completed Data Agreement, List of Affiliates (if applicable), Exchange Data Order Form and System Description, and Service Facilitator List (if applicable) should be emailed to marketdata@bats.com for approval.

¹Firms that distribute CTA consolidated volume must comply with the [CTA Consolidated Volume Policy](#) as provided on the [CTA Plan website](#).

5 Distribution to Affiliates of Data Recipient

Any Data Recipient that distributes Exchange Data to one or more of its Affiliates must complete and submit the Bats List of Affiliates showing the Affiliate(s) receiving Exchange Data. An "Affiliate" is defined as any entity that, from time to time, directly or indirectly Controls, is Controlled by, or is under common Control with Data Recipient. "Control" means the power to direct or cause the direction of the management of policies of another entity, whether through the ownership of voting securities, by contract, or otherwise. By submitting the names of its Affiliate(s), the Data Recipient agrees that the contact information provided shall be deemed to be the contact information for each Affiliate.

One or more of the entities (each a "Connected Entity") that is part of the group comprised of the Data Recipient and the Affiliates listed on the List of Affiliates (collectively, the "Affiliate Group") is permitted to own connectivity with Bats to receive Exchange Data directly from Bats. Each Connected Entity shall be identified in writing to Bats. Any member of the Affiliate Group that also receives Exchange Data indirectly from another Data Recipient (in addition to a Connected Entity) that is an Uncontrolled Data Distributor is not required to complete and return to Bats a separate Data Agreement and Exchange Data Order Form and System Description. Rather that entity is bound by the same Data Agreement and other relevant documents executed by the applicable member of the Affiliate Group.

6 Uncontrolled Data Distributor Requirements

To become an Uncontrolled Data Distributor, the Data Recipient must describe, using the Exchange Data Order Form and System Description, its plan to distribute Exchange Data externally to any customer that is not an Affiliate of the Data Recipient.

Request Process

Uncontrolled Data Distributors are responsible for either (i) directing each prospective Data Recipient to download the required documents from the Bats website, or (ii) providing a hard copy of each required document to the prospective Data Recipient. Required documents include the following:

- Signed Data Agreement
- Completed and signed Exchange Data Order Form and System Description
- Completed and signed Bats List of Affiliates (if applicable)
- Completed and signed Bats Service Facilitator List (if applicable)

Approval Process

After the required documents have been completed, the prospective Data Recipient must submit the required documents to Bats (as described above) for approval. Bats will review the documents and may contact the Data Recipient directly for additional information. The review of the documents includes, but is not limited to, a review of the intended use of the Exchange Data and the entitlements.

Upon approval, Bats will notify both the Data Recipient and the Uncontrolled Data Distributor via fax or email. Once approved by Bats, the Uncontrolled Data Distributor is authorized to provide the approved Exchange Data to the Data Recipient. **A new Data Recipient may not receive Exchange Data until and unless Bats has specifically approved the distribution of the requested Exchange Data product.** Please note that if an Uncontrolled Data Distributor provides Exchange Data to an unapproved Data Recipient or releases any Exchange Data prior to Bats' approval, the Uncontrolled Data Distributor is responsible for paying Bats any fees and other charges that would have been assessed such Data Recipient during the unauthorized time frame had the Data Recipient and release of Exchange Data to such Data Recipient been approved.

7 Uncontrolled Data Distributor Reporting

Bats requires all Uncontrolled Data Distributors of Exchange Data to submit reports, on a monthly basis, providing firm and Exchange Data details (as described below) for each Data Feed Subscriber receiving the Exchange Data. Each such report must include the following:

- Each Data Recipient's name, contact information, and billing address
- Address at which each Data Recipient receives the Exchange Data

- Exchange (BZX, BYX, EDGA, EDGX, Hotspot US, Hotspot London or product name if the Exchange Data is an aggregate of multiple Bats exchanges)) and type of Exchange Data subscribed to by each Data Recipient
- The earliest date upon which each Data Recipient received or will receive such Exchange Data from the Uncontrolled Data Distributor (installation date)
- The last date upon which each Data Recipient received or will receive such Exchange Data from the Uncontrolled Data Distributor (termination date)

Uncontrolled Data Distributors may report to Bats by entering details directly or via upload files in CSV format. Monthly reporting for the prior month's activity is due on the 15th of the current month (i.e., August 15th is the due date for July reporting).

Please contact marketdata@bats.com if you have any questions about reporting requirements. If you are newly reporting to Bats, a user login will be created for you to access the system.

8 Controlled Data Distributor Requirements and Reporting

Internal Controlled Data Distributors

Internal Controlled Data Distributors have the right to provide Exchange Data to employees of the Internal Controlled Data Distributor or any Affiliate thereof (i.e., Internal Subscribers) identified on a Bats List of Affiliates submitted by the Internal Controlled Data Distributor to Bats.

Internal Controlled Data Distributors are not required to administer a Bats Subscriber Agreement or equivalent with Internal Subscribers. Only a Data Agreement, List of Affiliates (if applicable) and Exchange Data Order Form and System Description completed by the Internal Controlled Data Distributor is required to be submitted to Bats.

External Controlled Data Distributors

External Controlled Data Distributors must administer a Bats Subscriber Agreement or equivalent to each Data User, or External Subscriber, whether an individual or a firm (except for Trial Users as defined below). Bats will not administer this agreement or equivalent to an External Controlled Data Distributor's customers.

The Data Agreement specifies that External Controlled Data Distributors must administer Subscriber Agreements to all External Subscribers. If an External Controlled Data Distributor opts not to administer a Subscriber Agreement, then the External Controlled Data Distributor is required to indemnify Bats in the event of a claim by an External Subscriber or otherwise.

External Controlled Data Distributors have four options to administer the Bats Subscriber Agreement or equivalent.

Administration Options for the Bats Subscriber Agreement	
1. Data Recipient Indemnification	Data Recipient administers its own agreement to External Subscribers as an equivalent to the Bats Subscriber Agreement. Submission of a sample copy of the Data Recipient's agreement, and any amendments thereto, is required.
2. Incorporation by Reference	Data Recipient adds specific language into the Data Recipient's own agreement with the External Subscriber. Submission of a sample copy of the Data Recipient's agreement, and any amendments thereto, is required.
3. Online Click-Through Subscriber Agreement	Data Recipient offers the agreement via the Internet. Submission of a sample copy of the Data Recipient's agreement, and any amendments thereto, is required.
4. Hard Copy Subscriber Agreement	Data Recipient provides External Subscriber with a paper copy of the Bats Subscriber Agreement. Data Recipient retains executed

originals, but does not submit the agreement to Bats.
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Option 1 – Data Recipient Indemnification

Section 11 of the Data Agreement permits External Controlled Data Distributors to choose to indemnify Bats in lieu of administering the Bats Subscriber Agreement to each External Subscriber.

External Controlled Data Distributors that opt for indemnification are required to include certain basic protections and rights in their own legally enforceable customer agreements that ensure Bats is protected to the same extent as if the External Controlled Data Distributors had administered the Bats Subscriber Agreement to each External Subscriber. An External Controlled Data Distributor may then provide the Exchange Data immediately after administering its own account agreement to the External Subscriber.

External Controlled Data Distributors that opt for indemnification must follow these guidelines:

1. Prior to distributing the Exchange Data, the External Controlled Data Distributor will have in place a legally valid and enforceable contract (a "Data Recipient Account Agreement") with the External Subscriber that (i) governs the accounts held by the External Subscriber with the External Controlled Data Distributor through which the External Subscriber is entitled to access the Exchange Data, including any limitations on the External Subscriber's right to redistribute the Exchange Data, and (ii) protects Bats and the Bats Indemnified Parties (as defined in the Data Agreement) to the same extent as if the External Controlled Data Distributor had presented and the External Subscriber had signed the Bats Subscriber Agreement.
2. In terms of recordkeeping and retention, Data Recipient Account Agreements are subject to applicable Bats requirements. In the event of a dispute with External Subscriber(s) relating to the Exchange Data, the External Controlled Data Distributor agrees to provide Bats with copies of the relevant Data Recipient Account Agreements.
3. External Controlled Data Distributor must indemnify Bats, all Bats Indemnified Parties and any third parties against any assertion of claims or losses relating to the Exchange Data made by an External Subscriber who receives the Exchange Data from the External Controlled Data Distributor (or any person relying upon the Exchange Data received by such External Subscriber) arising from External Controlled Data Distributor's election to distribute Exchange Data to such External Subscriber under a Data Recipient Account Agreement rather than under a Bats Subscriber Agreement.

Option 2 – Incorporation by Reference

In lieu of administering the exact language of the Bats Subscriber Agreement to each Subscriber, External Controlled Data Distributors may choose to add specific language protecting Bats to their own legally valid and enforceable customer contract (each a "Data Recipient Account Agreement") in addition to offering a copy of the Bats Subscriber Agreement. Thus, by signing the Data Recipient Account Agreement, External Subscribers also assent to the standard Bats Subscriber Agreement terms.

External Controlled Data Distributors that opt for "Incorporation by Reference" must follow these instructions:

1. Include the language below prominently on the signature page of the Data Recipient Account Agreement. Prior to including this language in the Data Recipient Account Agreement, in the blank provided, insert the term in the Data Recipient Account Agreement that references the person receiving the information (*i.e.*, customer, account holder, subscriber, member, etc.).

By executing this Agreement, _____, (known as "Subscriber" in the Bats Global Markets Holdings, Inc. Subscriber Agreement) agrees that:

- a. it has read and agrees to be bound by the Bats Global Markets Holdings, Inc. Subscriber Agreement; a copy of which is attached hereto;**
- b. the Data Recipient/Vendor (i) is not an agent of Bats Global Markets Holdings, Inc.; (ii) is not authorized to add to or delete any terms of provisions from the Bats Global Markets Holdings, Inc. Subscriber Agreement; and (iii) is not authorized to modify any provision of the Bats Global Markets Holdings, Inc. Subscriber Agreement; and**

- c. no provision has been added to or deleted from the Bats Global Markets Holdings, Inc. Subscriber Agreement and that no modifications have been made to it. Both the Subscriber and the person executing on behalf of the Subscriber warrant that the Subscriber is legally able to undertake the obligations set forth in and the signatory is duly authorized to bind the Subscriber to the Bats Global Markets Holdings, Inc. Subscriber Agreement.

2. Provide each External Subscriber with a copy of the Bats Subscriber Agreement.

Once the Data Recipient Account Agreement is signed by both the External Subscriber and the External Controlled Data Distributor, and the External Subscriber has been provided a copy of the Bats Subscriber Agreement, Bats considers the External Subscriber to be authorized to receive Exchange Data. Please note that Bats does **not** require External Controlled Data Distributors to submit copies of the executed Data Recipient Account Agreements to Bats.

Option 3 – Online Click-Through Version

External Controlled Data Distributors are permitted to offer an online click-through version of the Bats Subscriber Agreement to each External Subscriber, but if a Bats Subscriber Agreement is not administered properly, the External Controlled Data Distributor must indemnify Bats in the event of a claim.

To offer an online click-through version of the Bats Subscriber Agreement to External Subscribers, copy the full text of the Bats Subscriber Agreement and complete the necessary programming to ensure the External Subscriber can enter the following information:

- Firm Name
- Full Name of Person Authorized to Sign the Agreement
- Title of Person Authorized to Sign the Agreement
- Date of Authorization

The following language must be provided to the External Subscriber where the External Subscriber must agree to it by marking the applicable checkbox:

"ACCEPTED AND AGREED: I, an authorized officer of the Subscriber to which the preceding terms and conditions refer, acknowledge that I have read the preceding terms and conditions of this Agreement, that I understand them, and that I hereby manifest my assent to, and my agreement to comply with, those terms and conditions by "clicking" on the following box."

Submission of a sample copy of the Data Recipient's agreement, and any amendments thereto, is required.

Once these steps have been completed, Bats considers the External Subscriber to be authorized to receive Exchange Data.

Option 4 – Hard Copy Agreement

External Controlled Data Distributors are permitted to offer a hard copy/paper version of the Bats Subscriber Agreement to each External Subscriber. Bats permits External Controlled Data Distributors to accept faxed and scanned copies of the agreement as legal documents.

External Controlled Data Distributors that opt for the hard copy version of the Bats Subscriber Agreement should follow these instructions:

1. Copy the text of the Bats Subscriber Agreement onto company letterhead.
2. Print the Bats Subscriber Agreement on your organization's letterhead for your records.

Once the Bats Subscriber Agreement is signed by both the External Subscriber and the External Controlled Data Distributor, and the External Subscriber has been provided an executed copy of the Bats Subscriber Agreement, Bats considers the External Subscriber to be authorized to receive Exchange Data.

Display Usage Reporting

Controlled Data Distributors are required to report the number of devices used for Display Usage to Bats depending on the requirements for the specified data product as follows:

Product	Internal Display User Reporting Requirement	External Display User Reporting Requirement
Bats Depth	No Reporting Required	No Reporting Required
Bats Top	No Reporting Required	Monthly Reporting Required
Bats Last Sale	No Reporting Required	Monthly Reporting Required
Bats One Feed	No Reporting Required	Monthly Reporting Required
Bats Options Depth	Monthly Reporting Required	Monthly Reporting Required
Hotspot US Depth	No Reporting Required	Monthly Reporting Required
Hotspot London Depth	No Reporting Required	Monthly Reporting Required

If a product shown above requires no reporting, Controlled Data Distributors do not have to report the Data Users receiving the controlled data or Data User display quantities. For products that require Display Data User Reporting, Controlled Data Distributors must count every Professional Data User and Non-Professional Data User to which they provide Exchange Data. Thus, the Controlled Data Distributor's count will include every Data User that accesses the Exchange Data, regardless of the purpose for which the Data User uses the Exchange Data. Controlled Data Distributors must report all Professional Data Users and Non-Professional Data Users in accordance with the following:

- In connection with a Controlled Data Distributor's distribution of Exchange Data, the Controlled Data Distributor should count as one Data User each unique Data User that the Controlled Data Distributor has entitled to have access to the Exchange Data. However, where a device is dedicated specifically to a single individual, the Controlled Data Distributor should count only the individual and need not count the device.
- The Controlled Data Distributor should identify and report each unique Data User. If a Data User uses the same unique method to gain access to the Exchange Data, the Controlled Data Distributor should count that as one Data User. However, if a unique Data User uses multiple methods to gain access to the Exchange Data (e.g., a single Data User has multiple passwords and user identifications), the Controlled Data Distributor should report all of those methods as one Data User.
- Controlled Data Distributors should report each unique individual person who receives access through multiple devices as one Data User so long as each device is dedicated specifically to that individual.
- If a Controlled Data Distributor entitles one or more individuals to use the same device, the Controlled Data Distributor should include only the individuals, and not the device, in the count.

Controlled Data Distributors must submit usage reports of real-time Exchange Data on a monthly basis using the Bats Data Recipient Declaration system by entering details directly or via upload files in CSV format. TCB Data is available as an alternative if requested. Monthly reporting for the prior month's activity is due on the 15th of the current month (i.e., August 15th is the due date for July reporting). For Display Usage reporting, firms may submit revised reporting in order to correct errors in the reporting of total quantities or Data User categorization. Controlled Data Distributors may only submit revised

reporting within 60 days of the date where usage activity occurred 30 calendar days after the reporting due date (i.e., June 14th for April reporting). Each report must include the following:

- Data User Firm name, contact information, and billing address
- Address at which Data User receives the Exchange Data
- Type of service
- The earliest date upon which a Data User receives the Exchange Data from the Controlled Data Distributor
- The last date upon which a Data User receives the Exchange Data from the Controlled Data Distributor (termination date)
- Number of Display Data Users

Controlled Data Distributors that distribute Exchange Data to Data Users that have obtained an Enterprise license are not required to report Data User quantities monthly, but are required to provide Data User quantities for each Data User every six months.

Non-Display Usage Reporting

Non-Display Usage may include but is not limited to:

- Algorithmic/automated trading
- Order routing
- Surveillance
- Order management
- Risk management

Firms operating a registered Automated Trading System (ATS), Electronic Communication Network (ECN) or National Securities Exchange trading platform will be required to (i) promptly provide Bats with written notice in the case that equity depth Exchange Data is or will be used within the trading platform (including any order routing system dedicated for use within the trading platform); and (ii) provide Bats with written notice when equity depth Exchange Data is discontinued for use within the trading platform or dedicated order router.

Usage Fees

For External Controlled Data Distributors, Display Usage fees by Data Users will be collected by the External Controlled Data Distributor and then remitted to Bats, including Enterprise or Digital Media fees, if applicable. See Section 12 of these Policies for more details. Non Display Usage fees will apply for firms that use equity depth Exchange Data within a registered ATS, ECN or Exchange.

Notice and Enforcement

Each External Controlled Data Distributor shall (i) enforce each of its External Subscriber's compliance with the terms of the Subscriber Agreement; (ii) provide Bats written notice of any violation thereof by an External Subscriber, immediately upon becoming aware of such violation; (iii) provide Bats notice of termination of any Bats Subscriber Agreement, immediately upon receiving or serving notice of such termination; (iv) provide Bats any assistance as Bats may reasonably request in enforcing Bats' rights under any Bats Subscriber Agreement; (v) upon Bats' request, cease providing any Exchange Data to any External Subscriber; and (vi) provide Bats written notice promptly upon becoming aware of any acts or omissions of any External Subscriber or other person, in addition to those otherwise required to be reported herein, which External Controlled Data Distributor believes, in its reasonable discretion, might jeopardize or prejudice the rights of Bats in any Exchange Data or threaten the security or operations of any systems or other technology utilized by or on behalf of Bats or any Data Recipient to disseminate any Exchange Data.

Trial Usage

External Controlled Data Distributors are permitted to provide real-time Exchange Data to their Data Users through a trial or for demonstration purposes for a limited time. If an External Controlled Data Distributor desires to provide Exchange Data to any Data User on a trial basis, such External Controlled Data Distributor is not required to qualify Data Users through one of the methods identified above in the event the External Controlled Data Distributor (i) enters into the External Controlled Data Distributor Trial Addendum (the "ECDD Trial Addendum") and (ii) fully complies with each of the following requirements:

- No Data User shall be permitted to use Exchange Data pursuant to the ECDD Trial Addendum for a period of longer than thirty (30) days (the "Trial Period"). At the end of the Trial Period, the Data User that has participated in the trial must cease all use of the Exchange Data or be qualified (as of the effective date of termination of the Trial Period) through one of the methods identified above.
- Each Data User may participate in the trial only once for each Exchange Data product offered by Bats.
- The External Controlled Data Distributor must (i) continuously maintain a list of each Data User to which Exchange Data is provided under the ECDD Trial Addendum, together with the Data User's firm name and contact information, the specific Exchange Data product to which such Data User was or will be provided access, the date such Data User commenced or will commence receiving the Exchange Data, and the last date upon which the Data User received or will receive the Exchange Data pursuant to the ECDD Trial Addendum; and (ii) provide such documentation to Bats via marketdata@bats.com, promptly upon Bats' request.

9 Service Facilitator

A Data Recipient may delegate any of its responsibilities, obligations or duties under or in connection with the Data Agreement to an authorized third party agent ("**Service Facilitator**"), which may discharge those responsibilities, obligations or duties on behalf of the Data Recipient in accordance with the Data Agreement; *provided, however*, that the Data Recipient shall be and will remain responsible for compliance by such Service Facilitators with all applicable terms and conditions of the Data Agreement and all other acts and omissions thereby in connection with the receipt, use and distribution of the Exchange Data. Service Facilitators may support one or more functions for the Data Recipient including, but not limited to, website operation, software development, facilities and equipment operation, and service installation. The Data Recipient must, through a legally enforceable written agreement with each Service Facilitator:

- Ensure Bats is protected to the same extent as if the Service Facilitator were a party to the Data Agreement, including without limitation by permitting Bats to audit the Service Facilitator on the same terms as Bats is permitted to audit the Data Recipient under the Data Agreement.
- Ensure no terms of such agreement conflict with the terms of the Data Agreement.
- Ensure Exchange Data or controlled data distribution of Exchange Data to a Data Recipient may occur only after the Data Recipient is authorized by Bats, or Data Recipient is qualified through one of the Controlled Data Distributor qualification methods outlined above.
- Ensure the Data Recipient, and not the Service Facilitator, controls all entitlement of Exchange Data to the Data Recipient.

Notwithstanding the foregoing, the Service Facilitator must sign a Data Agreement and must fulfill all requirements of the Exchange if the Service Facilitator receives Exchange Data directly from Bats. Finally, if the Data Recipient uses any Service Facilitators, the Data Recipient must provide a list of all Service Facilitators to Bats on the Service Facilitator List.

10 Delayed Data

Once a period of time has passed since the dissemination of Exchange Data by Bats, Real-time Exchange Data will become Delayed Exchange Data. There are different requirements for the distribution of Delayed Exchange Data as compared to Real-time Exchange Data. The following definitions apply:

- **Delay Period** – The period of time that has passed since the dissemination of Exchange Data by Bats, which is currently 15 minutes.
- **Real-time Exchange Data** – Exchange Data distributed prior to the Delay Period.
- **Delayed Exchange Data** – Exchange Data distributed after the Delay Period,

Controlled Data Distributors of Delayed Exchange Data are not required to qualify Data Users in respect of receipt of Delayed Exchange Data identified in the Controlled Data Requirements section of these Policies. Thus, Controlled Data

Distributors of Delayed Data are not required to administer a Bats Subscriber Agreement or equivalent with such Data Users. In addition, Uncontrolled Data Distributors of Delayed Exchange Data are not required to obtain a Data Agreement from Data Users receiving Delayed Exchange Data or report Data Users receiving Delayed Data. The waiver of the qualification and agreement requirement by Bats does not limit the Controlled Data Distributor's or Uncontrolled Data Distributor's obligations as described within the Data Agreement executed with Bats.

For Distributors providing Delayed Data, Bats requires that an appropriate delay message be provided to Subscribers for all displays of Exchange Data. The delay message must prominently appear on all displays containing Delayed Data, such as at or near the top of the page. In the case of a ticker, the delay message should be interspersed with the market data at least every 90 seconds. Examples of appropriate delay messages are as follows: "Data Delayed 15 minutes", "Data Delayed 24 hours", "Delayed Data", "Del-15", and "Data Delayed until Midnight CET".

11 Derived Data

"Derived Data" is pricing data or other data that (i) is created in whole or in part from Exchange Data and (ii) cannot be readily reverse-engineered to recreate Exchange Data or used to create other data that is a reasonable facsimile or substitute for Exchange Data. In addition, Derived Data that contains price data and is based upon a single security symbol or currency pair is generally fee liable at the underlying product rates. Data Recipients distributing Derived Data must use the Exchange Data Order Form and System Description to describe any Derived Data created using Exchange Data. Distributors of Derived Data are not required to report Data Users receiving Derived Data. Distribution of Derived Data does not require the Data User receiving Derived Data to sign a Data Agreement with Bats, but note, if a distributor opts not to administer a Bats Subscriber Agreement, then the distributor is required to indemnify Bats in the event of a claim.

12 Fees

Fees for U.S. Exchange Data (Depth, Top (LEVEL 1) and Last Sale) are displayed on the Bats website at:

<http://www.bats.com/us/equities/membership/pricing/>
http://www.batsoptions.com/support/fee_schedule/

If a Data Recipient is receiving identical Exchange Data from (i) multiple Uncontrolled Data Distributors or (ii) from one or more Uncontrolled Data Distributors and Bats, the Data Recipient will only be required to pay the distribution fee once to Bats – either the Internal Distribution Fee or the External Distribution Fee – depending on whether the Data Recipient is distributing the Exchange Data internally or externally. Notwithstanding the foregoing, if a Data Recipient is distributing the Bats One Feed internally and externally, the Data Recipient will be required to pay both the Internal Distribution Fee and the External Distribution Fee.

Historical Data

Data Recipients can subscribe to Bats Historical Depth, Top (LEVEL 1), and Last Sale data on a T+1 basis. Up to three months of data is available via download from the Bats website. Additional data can be uploaded to a 1TB hard drive for a single fee per drive per Exchange. A Bats web login account is required to subscribe to these Historical Data feeds. For assistance, please visit http://www.batstrading.com/market_data/products/ or contact Bats Market Data Services at 212.378.8821 or marketdata@bats.com.

Other Data Feeds

To request a subscription to the Bats Auction Feed, please contact Bats Market Data Services at 212.378.8821 or marketdata@bats.com.

13 Audit

Bats has the right to conduct comprehensive audits of Data Recipients on a regular basis. The purpose of the audits is to ensure that Data Recipients that distribute Exchange Data are complying with the terms of their agreements with Bats. Bats will review Data Recipients to verify that they are in compliance with Bats' data requirements. Audits will cover a Data Recipient's market data infrastructure for three (3) years preceding the date of the audit. The Data Recipient's liability shall be limited to unpaid fees, together with interest, for underreporting, underpayment or other financial noncompliance that has occurred during the audit period, plus any costs and expenses as set forth in Section 10 of the Data Agreement, provided such underreporting, underpaying or other financial non-compliance is a result of a good faith error by Data Recipient.

Please refer to Section 10 of the Data Agreement for more details regarding Bats' audit right.

Bats Global Markets, Inc. **Options Member Application**

Any currently approved Member of Bats BZX Exchange, Inc. (BZX) or Bats EDGX Exchange, Inc. (EDGX) (each, an "Exchange") is eligible to transact business on the Exchange's Options Market provided that the Exchange specifically authorizes the Member as an "Options Member." To become an Options Member, a current Exchange Member is required to complete this Options Member Application. An Applicant who is not currently an Exchange Member is required to complete the general Membership Application and Agreements and this Options Member Application to transact business on the Exchange's Options Market.

To apply, please complete and submit all materials listed on the Application Checklist below via email to MembershipServices@bats.com, or mail to:

c/o Bats Global Markets, Inc.
Attn: Membership Services
8050 Marshall Drive, Suite 120
Lenexa, KS 66214

Applicants are required to update any information submitted in this application when and if it becomes inaccurate or incomplete after submission.

APPLICATION CHECKLIST
<input type="checkbox"/> Membership Application
<input type="checkbox"/> Options Member Letter of Guarantee (<i>for Firms who are not self-clearing</i>) - per Exchange
OR
<input type="checkbox"/> Options Self Clearing Member Letter of Guarantee (<i>for Firms who are self-clearing</i>) - per Exchange
<input type="checkbox"/> Options Member Agreement - per Exchange
<input type="checkbox"/> A list of all Authorized Traders, <i>including name and CRD #</i> , the Applicant will be registering with the Exchange

Note: All application materials sent to the Exchange will be reviewed for completeness. All applications are deemed confidential and are handled in a secure environment. Applications may, however, be shared with other self-regulatory organizations (*e.g.*, FINRA), as necessary, to evaluate and process the application.

The Exchange may request Applicants to submit documentation in addition to what is listed in the Application Checklist during the application review process, pursuant to Exchange Rule 17.1. If you have questions on completing the application, you may direct them to Membership Services at MembershipServices@bats.com or 913.815.7002. In addition, please refer to the Exchange's website at www.bats.com for additional information regarding the membership process.

Bats Global Markets, Inc.
Options Member Application

GENERAL INFORMATION				
Date:	CRD #:			
Name of Applicant:				
Address of Principal Office:				
City:	State:	Zip:		
BILLING ADDRESS				
Address of Billing Office:				
City:	State:	Zip:		
BUSINESS CONTACT	BILLING CONTACT			
Name:	Name:			
Title:	Title:			
CRD #:	CRD #:			
Email:	Email:			
Phone:	Phone:			
OTHER SELF-REGULATORY ORGANIZATION MEMBERSHIPS (check all that apply)				
<table style="width:100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Bats BZX Options Market (BZX) <input type="checkbox"/> Bats EDGX Options Market (EDGX) <input type="checkbox"/> BOX Options Exchange (BOX) <input type="checkbox"/> C2 Options Exchange (C2) <input type="checkbox"/> Chicago Board Options Exchange (CBOE) <input type="checkbox"/> Financial Industry Regulatory Authority (FINRA) <input type="checkbox"/> International Securities Exchange (ISE) </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> ISE Gemini (GEMINI) <input type="checkbox"/> MIAX Options Exchange (MIAX) <input type="checkbox"/> NASDAQ OMX BX (BX) <input type="checkbox"/> NASDAQ OMX PHLX (PHLX) <input type="checkbox"/> NASDAQ Options Market (NOM) <input type="checkbox"/> NYSE Amex Options (AMEX) <input type="checkbox"/> NYSE Arca Options (ARCA) </td> </tr> </table>			<input type="checkbox"/> Bats BZX Options Market (BZX) <input type="checkbox"/> Bats EDGX Options Market (EDGX) <input type="checkbox"/> BOX Options Exchange (BOX) <input type="checkbox"/> C2 Options Exchange (C2) <input type="checkbox"/> Chicago Board Options Exchange (CBOE) <input type="checkbox"/> Financial Industry Regulatory Authority (FINRA) <input type="checkbox"/> International Securities Exchange (ISE)	<input type="checkbox"/> ISE Gemini (GEMINI) <input type="checkbox"/> MIAX Options Exchange (MIAX) <input type="checkbox"/> NASDAQ OMX BX (BX) <input type="checkbox"/> NASDAQ OMX PHLX (PHLX) <input type="checkbox"/> NASDAQ Options Market (NOM) <input type="checkbox"/> NYSE Amex Options (AMEX) <input type="checkbox"/> NYSE Arca Options (ARCA)
<input type="checkbox"/> Bats BZX Options Market (BZX) <input type="checkbox"/> Bats EDGX Options Market (EDGX) <input type="checkbox"/> BOX Options Exchange (BOX) <input type="checkbox"/> C2 Options Exchange (C2) <input type="checkbox"/> Chicago Board Options Exchange (CBOE) <input type="checkbox"/> Financial Industry Regulatory Authority (FINRA) <input type="checkbox"/> International Securities Exchange (ISE)	<input type="checkbox"/> ISE Gemini (GEMINI) <input type="checkbox"/> MIAX Options Exchange (MIAX) <input type="checkbox"/> NASDAQ OMX BX (BX) <input type="checkbox"/> NASDAQ OMX PHLX (PHLX) <input type="checkbox"/> NASDAQ Options Market (NOM) <input type="checkbox"/> NYSE Amex Options (AMEX) <input type="checkbox"/> NYSE Arca Options (ARCA)			
Name of Applicant's Designated Examining Authority (DEA): _____				
EXAMINATIONS				
State the date of the Applicant's last examination during which supervisory procedures were reviewed and by which SRO.				
Date: _____				
SRO: _____				
OPTIONS ALLOCATION METHOD				
Indicate the allocation method for exercise notices assigned in respect of a short position in Applicant's customers' accounts (Exchange Rule 23.2)				
<input type="checkbox"/> First in, first out <input type="checkbox"/> Automated random selection <input type="checkbox"/> Other _____ <input type="checkbox"/> Not applicable				
MARGIN REQUIREMENTS SELECTION				
Indicate the applicable initial and maintenance margin requirements (Exchange Rule 28.3).				
<input type="checkbox"/> CBOE or <input type="checkbox"/> NYSE				

PRINCIPAL REGISTRATION

The Exchange requires each Options Member to be under the supervision and control of a Responsible Person who is registered with the Exchange as an Options Principal. Each Options Principal shall pass the appropriate Registered Options Principal Qualification Examination ("Series 4"), or an equivalent examination acceptable to the Exchange. See Exchange Rule 17.1(b) and 17.2(g) for additional information regarding principal registration. Please indicate below the individual that the Applicant intends to register with the Exchange to comply with these requirements.

Name:	Title:	CRD #:
Business Address:		
Phone:	Email:	

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Bats EDGX Exchange, Inc.
Options Member Agreement

In connection with the Applicant's application for participation in the Bats EDGX Exchange, Inc. Options Market ("EDGX Options") and in the event that this application is approved for participation, the Applicant hereby agrees to abide by the terms and conditions set forth below:

- A. To comply with the federal securities laws, the rules and regulations thereunder; EDGX rules including but not limited to the EDGX Options rules and the rules of other SROs that have been incorporated by reference;¹ all circulars, notices, directives or decisions adopted pursuant to or made in accordance with EDGX rules; and all rulings, orders, directions and decisions issued and sanctions imposed under EDGX rules;
- B. To pay such dues, assessments and other charges in the manner and amount as from time to time shall be fixed pursuant to EDGX rules;
- C. That this Agreement has been executed on behalf of, and with the authority of the Applicant. The undersigned and Applicant represent that the information and statements contained within the application and other information filed are current, true, and complete. The undersigned and the Applicant further represent that to the extent that any information submitted is not amended, such information is currently accurate and complete and agree that the information contained in the Applicant's Uniform Application for Broker-Dealer Registration (Form BD) will be kept current and accurate by proper amending of the Form BD promptly after changes occur. Applicant further represents that the registrations for the Applicant's Options Principal(s), Authorized Traders and any other personnel, registered with EDGX, will be kept current by proper amending of Form U4 & Form U5.

Member: _____

Bats EDGX Exchange, Inc.

Signature: _____

Signature: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Date: _____

¹ In the amendment to its existing rules to permit trading on EDGX Options, Bats EDGX Exchange, Inc. incorporated the following rules by reference: (1) CBOE rules governing position and exercise limits for equity and index options (see EDGX Rules 18.7, 18.9, 29.5, and 29.7); (2) the margin rules of the CBOE or the NYSE (see EDGX Rule 28.3); and (3) FINRA's rules governing communications with the public (see EDGX Rule 26.16). Pursuant to an exemption from Section 19(b), the Exchange will not file rule filings each time an incorporated rule has been amended, but will publish on its public website notices of any changes to an incorporated rule.

Bats EDGX Exchange, Inc.
Options Member Letter of Guarantee

NOTICE OF CONSENT – To be completed by Clearing Member of Applicant

Member Name

The Member noted above has represented to the undersigned Clearing Member, a Member of the Options Clearing Corporation, that it is registered as a Member of the Bats EDGX Exchange, Inc. Options Market ("EDGX Options"). In accordance with Rule 22.8 of the rules of EDGX Options, the undersigned Clearing Member accepts financial responsibility for all EDGX Options transactions made by the above referenced Member when executing such transactions through the undersigned Clearing Member. This letter shall be deemed to be a Letter of Guarantee and shall remain in effect until a written notice of revocation has been filed with the Exchange. Any such revocation shall in no way relieve the undersigned Clearing Member of responsibility for Exchange transactions guaranteed prior to the effective date of the revocation.

Clearing Member (Broker-Dealer Name)

OCC Clearing #

Signature of Authorized Officer, Partner or Managing
Member or Sole Proprietor of Clearing Member

Printed Name/Title

Date

Bats EDGX Exchange, Inc.
Options Self Clearing Member Letter of Guarantee

NOTICE OF CONSENT – To be completed by Self Clearing Member of EDGX Options

Member Name

The Member noted above is a registered Self Clearing Member of the Bats EDGX Exchange, Inc. Options Market ("EDGX Options"). In accordance with Rule 22.8 of the rules of EDGX Options, the Member accepts financial responsibility for all EDGX Options transactions made by the Member. This letter shall be deemed to be a Letter of Guarantee and shall remain in effect until a written notice of revocation has been filed with the Exchange. Any such revocation shall in no way relieve the Member of responsibility for Exchange transactions guaranteed prior to the effective date of the revocation.

OCC Clearing #

Signature of Authorized Officer, Partner or Managing
Member or Sole Proprietor of Member

Printed Name/Title

Date

Bats Global Markets, Inc. Options Market Maker Registration Application

Any currently approved Options Member of Bats BZX Exchange, Inc. (BZX) or Bats EDGX Exchange, Inc. (EDGX) (each, an "Exchange") is eligible to transact business as a Market Maker on the Exchange's Options Market provided that the Exchange specifically authorizes the Options Member as a Market Maker. To become a Market Maker, a current Options Member is required to complete this Options Market Maker Registration Application. The Exchange may require additional information from any Applicant prior to determining whether to register such Applicant as an Options Market Maker.

To apply, please complete this Options Market Maker Registration Application and submit with all required supplementary materials via email to MembershipServices@bats.com or mail to:

c/o Bats Global Markets, Inc.
Attn: Membership Services
8050 Marshall Drive, Suite 120
Lenexa, KS 66214

Applicants are required to update any information submitted in the application when and if it becomes inaccurate or incomplete after submission.

GENERAL INFORMATION		
Date:	CRD #:	
Name of Applicant:		
Address of Principal Office:		
City:	State:	Zip:
EFID(s) to be used:		
OTHER BUSINESS ACTIVITIES		
<input type="checkbox"/> Investment Banking <input type="checkbox"/> Public Securities Business <input type="checkbox"/> Proprietary Trading <input type="checkbox"/> Market Maker <input type="checkbox"/> Dealer / Specialist <input type="checkbox"/> Other: _____		
If the Applicant is a Market Maker or Dealer/Specialist, please provide a list of the registered national securities exchange(s) or association(s) on which the Applicant has been approved as such:		
SECURITIES		
Estimate the number of issues in which the Applicant intends to become registered as a Market Maker: _____		
FINANCIAL / ADDITIONAL REQUIREMENTS		
Excess Net Capital Amount: _____ As of Date: _____		
Attach the following:		
<input type="checkbox"/> List identifying all accounts pursuant to Exchange Rule 22.7(a) - <i>required</i>		
<input type="checkbox"/> List identifying all joint accounts pursuant to Exchange Rule 22.7(c) - <i>if applicable</i>		
<input type="checkbox"/> Most recent quarterly FOCUS Report enclosed (Refer to Exchange Rule 22.9(a)) - <i>required</i>		
<input type="checkbox"/> Subordination agreements or evidence of other financing arrangement enclosed (Refer to Exchange Rule 22.9(b)) - <i>if applicable</i>		

AUTHORIZED TRADERS (ATs)

Name: _____ CRD #: _____

Series 7 Qualification Series 57 Qualification Other: _____

Seeking registration on: BZX Exchange EDGX Exchange

Will a web log-in be required for this individual? Yes No

If yes, please provide the information below:

Email address: _____ Phone Number: _____

Name: _____ CRD #: _____

Series 7 Qualification Series 57 Qualification Other: _____

Seeking registration on: BZX Exchange EDGX Exchange

Will a web log-in be required for this individual? Yes No

If yes, please provide the information below:

Email address: _____ Phone Number: _____

Name: _____ CRD #: _____

Series 7 Qualification Series 57 Qualification Other: _____

Seeking registration on: BZX Exchange EDGX Exchange

Will a web log-in be required for this individual? Yes No

If yes, please provide the information below:

Email address: _____ Phone Number: _____

Name: _____ CRD #: _____

Series 7 Qualification Series 57 Qualification Other: _____

Seeking registration on: BZX Exchange EDGX Exchange

Will a web log-in be required for this individual? Yes No

If yes, please provide the information below:

Email address: _____ Phone Number: _____

Name: _____ CRD #: _____

Series 7 Qualification Series 57 Qualification Other: _____

Seeking registration on: BZX Exchange EDGX Exchange

Will a web log-in be required for this individual? Yes No

If yes, please provide the information below:

Email address: _____ Phone Number: _____

The undersigned attests that the information provided in this application on behalf of the Applicant is complete and accurate. Furthermore, the undersigned acknowledges that the Applicant agrees to update the application as necessary, and to abide by all rules of the Exchange, and interpretations thereof, as they currently exist and as they may be added, supplemented and/or amended from time to time.

Signature of Authorized Officer, Partner, Managing
Member or Sole Proprietor

Printed Name

Title

Date

Exhibit M

Exhibit Request:

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

1. Name,
2. Date of election to membership or acceptance as a participant, subscriber or other user,
3. Principal business address and telephone number,
4. If member, participant, 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, participant, 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 members, participants, subscribers, or other users in each, and
6. The class of membership, participation or subscription or other access.

Response:

Attached please find a list of the current Members and Sponsored Participants accepted as Users of the Exchange.

Company Name	BZX Approval Date	BYX Approval Date	EDGA Approval Date	EDGX Approval Date	Type of User	Address	Phone Number	Primary Activities
Abel/Noser Corp.	8/18/2008	9/1/2010	NA	NA	Member	One Battery Park Plaza 6th Floor New York, NY 10004	646-432-4040	Agency
ABN AMRO Clearing Chicago, LLC	10/15/2008	10/1/2010	5/25/2010	5/27/2010	Member	175 W Jackson Boulevard Suite 400 Chicago, IL 60604	312-604-8643	Market Maker
ACS Execution Services, LLC	1/15/2016	1/15/2016	1/15/2016	1/15/2016	Member	12 Broad Street Redbank, NJ 07701	732-204-8999	Proprietary
Agency Desk, LLC	7/1/2009	NA	NA	NA	Member	515 Madison Avenue 22nd Floor New York, NY 10022	212-935-9835	Market Maker
Akuna Securities, LLC	9/15/2015	NA	NA	NA	Member	36 S. Wabash, Suite 130 Chicago, IL 60603	312-994-4640	Market Maker
Albert Fried & Company, LLC	8/18/2008	4/15/2011	5/18/2010	5/18/2010	Member	45 Broadway 24th Floor New York, NY 10006	212-422-7282	Agency
Alpine Securities Corporation	11/3/2008	11/15/2010	NA	NA	Member	39 Exchange Place Salt Lake City, UT 84111	801-355-5588	Agency
Altmet Securities, Inc.	NA	NA	5/25/2010	5/25/2010	Member	380 Madison Ave 4th Floor New York, NY 10017	212-444-6176	Agency
Apex Clearing Corporation	6/5/2012	6/5/2012	6/5/2012	6/5/2012	Member	1700 Pacific Avenue Suite 1400 Dallas, TX 75201	214-765-1170	Clearing Firm
Archipelago Securities, LLC	8/18/2008	9/1/2010	5/25/2010	5/27/2010	Member	100 South Wacker Drive Suite 1800 Chicago, IL 60606	312-442-7046	Exchange
Arxis Securities, LLC	12/22/2014	NA	NA	NA	Member	527 Madison Avenue 18th Floor New York, NY 10022	646-565-3302	Proprietary
Athena Capital Research, LLC	7/1/2009	10/20/2010	NA	NA	Sponsored Participant	440 Ninth Avenue 11th Floor New York, NY 10001	212-931-9056	Proprietary
ATM Execution LLC	3/15/2012	3/15/2012	3/21/2012	3/21/2012	Member	599 Lexington Avenue 21st Floor New York, NY 10022	646-562-1554	Market Maker
Auerbach Grayson and Company, LLC	NA	NA	12/15/2015	NA	Member	254 45th Street Suite 16 New York, NY 10036	212-453-3553	Arbitrage/Riskless
Automated Trading Desk Financial Services, LLC	8/18/2008	9/15/2010	5/25/2010	5/27/2010	Member	11 Ewall Street Mount Pleasant, SC 29454	843-789-2166	Proprietary
Barclays Capital, Inc.	8/18/2008	10/1/2010	5/14/2010	5/14/2010	Member	745 7th Avenue New York, NY 10019	212-412-2125	Institutional
Bats Trading, Inc.	10/23/2008	9/1/2010	5/14/2010	5/14/2010	Member	8050 Marshall Drive Suite 120 Lenexa, KS 66214	913-815-7000	Limited Routing Facility of the Bats Exchanges
Bay Crest Partners, LLC	10/15/2008	NA	5/25/2010	5/27/2010	Member	40 Wall Street 42nd Floor New York, NY 10005	212-480-1400	Agency
Bayes Capital, LLC	1/15/2015	1/30/2015	1/30/2015	1/30/2015	Member	54 Jefferson Avenue Westwood, NJ 07675	201-660-7188	Agency
Belvedere Trading, LLC	11/1/2011	3/1/2012	11/29/2011	NA	Member	10 South Riverside Plaza #2100 Chicago, IL 60606	312-262-3420	Proprietary
Benjamin & Jercic Brokerage I, LLC	10/1/2009	NA	NA	NA	Member	80 Broad Street 5th Floor New York, NY 10005	646-201-5024	Agency
BGC Financial, LP	8/17/2009	NA	NA	NA	Member	One Seaport Plaza 19th Floor New York, NY 10038	646-346-7412	Agency
Blaylock Beal Van, LLC	5/3/2010	NA	NA	NA	Member	600 Lexington Avenue 3rd Floor New York, NY 10022	212-715-8600	Agency
Bloomberg Tradebook, LLC	10/23/2008	10/4/2010	5/14/2010	5/14/2010	Member	1633 Broadway 48th Floor New York, NY 10019	212-617-1184	Agency
Blue Fire Capital, LLC	8/18/2008	10/8/2010	5/25/2010	5/27/2010	Member	311 South Wacker Drive Suite 2000 Chicago, IL 60606	312-242-0504	Proprietary
Bluefin Trading, LLC	8/3/2009	6/1/2015	9/27/2013	6/13/2013	Member	3 Park Avenue 37th Floor New York, NY 10016	914-227-9555	Agency
BMO Capital Markets Corp.	8/18/2008	11/15/2010	7/15/2014	7/15/2014	Member	3 Times Square New York, NY 10036	212-885-4045	Agency
BMT Trading, LLC	2/1/2010	NA	NA	NA	Sponsored Participant	800 Third Avenue New York, NY 10022	212-813-0870	Proprietary
BNP Paribas Prime Brokerage, Inc.	12/3/2012	12/3/2012	NA	NA	Member	787 7th Avenue New York, NY 10019	917-472-4991	Clearing Firm
BNP Paribas Securities Corp.	8/18/2008	9/15/2010	5/25/2010	5/27/2010	Member	787 7th Avenue New York, NY 10019	212-841-3676	Proprietary
BTIG, LLC	8/18/2008	11/15/2010	5/25/2010	5/27/2010	Member	600 Montgomery Street 6th Floor San Francisco, CA 94111	415-248-2225	Market Maker
Bullnick, LLC	1/15/2009	NA	NA	NA	Member	701 Brickell Avenue Suite 2550 Miami, FL 33131	212-616-2604	Agency
C&C Trading, LLC	8/18/2008	10/11/2010	5/25/2010	5/27/2010	Member	111 Broadway Suite 803 New York, NY 10006	212-433-7589	Proprietary
Canaccord Genuity, Inc.	10/1/2013	10/1/2013	6/10/2010	6/10/2010	Member	350 Madison Avenue New York, NY 10017	212-369-8156	Market Maker
Canadian Imperial Holdings, Inc.	10/15/2008	11/15/2010	NA	NA	Sponsored Participant	300 Madison Avenue 5th Floor New York, NY 10017	212-856-3877	Proprietary
Cantor Fitzgerald & Co.	10/23/2008	2/13/2015	5/25/2010	5/27/2010	Member	110 East 59th Street 4th Floor New York, NY 10022	212-829-5226	Institutional / Agency

Company Name	BZX Approval Date	BYX Approval Date	EDGA Approval Date	EDGX Approval Date	Type of User	Address	Phone Number	Primary Activities
Capital Institutional Services, Inc.	8/18/2008	NA	5/25/2010	5/27/2010	Member	1601 Elm Street Suite 3900 Dallas, TX 75201	214-978-4767	Agency
CastleOak Securities, LP	NA	NA	5/14/2010	5/14/2010	Member	110 E. 59th Street 2nd Floor New York, NY 10022	212-829-4776	Agency
CF Global Trading, LLC	10/23/2008	1/3/2011	NA	NA	Member	99 Park Avenue Suite 1710 New York, NY 10016	212-888-4673	Market Maker
Chimera Securities, LLC	6/2/2014	6/2/2014	6/25/2014	6/25/2014	Member	225 Park Avenue South 17th Floor New York, NY 10003	646-597-6146	Proprietary Trading
CIBC World Markets Corp.	8/18/2008	11/15/2010	NA	NA	Member	425 Lexington Avenue New York, NY 10017	212-667-7030	Proprietary
Citadel Securities, LLC	10/23/2008	10/1/2010	5/14/2010	5/14/2010	Member	131 South Dearborn Street 32nd Floor Chicago, IL 60603	312-756-4416	Market Maker
Citigroup Global Markets, Inc.	9/24/2008	12/15/2010	5/25/2010	5/27/2010	Member	390-388 Greenwich Street New York, NY 10013	212-723-7700	Full Service
CJS Securities, Inc.	7/15/2009	3/15/2011	NA	NA	Member	50 Main Street Suite 325 White Plains, NY 10606	914-287-7600	Agency
Clarksons Platau Securities, Inc.	NA	NA	1/15/2015	NA	Member	410 Park Avenue Suite 710 New York, NY 10022	212-317-7099	Public Customer Business
Clearpool Execution Services, LLC	5/15/2014	5/15/2014	6/16/2014	6/16/2014	Member	17 State Street 38th Floor New York, NY 10004	212-531-8532	Public Customer Business
CLSA Americas, LLC	NA	NA	5/21/2013	5/21/2013	Member	1301 Avenue of the Americas New York, NY 10019	212-408-5719	Agency
CMT Fund XXV Limited	7/2/2012	7/2/2012	NA	NA	Sponsored Participant	500 West Monroe Street Suite 2630 Chicago, IL 60661	312-320-7897	Agency
CMT Trading, LLC	3/17/2014	3/17/2014	3/5/2014	3/5/2014	Member	500 West Monroe Street Suite 2630 Chicago, IL 60661	312-612-6930	Proprietary
Compass Professional Services, LLC	6/15/2011	NA	NA	10/1/2015	Member	111 W. Jackson Boulevard 20th Floor Chicago, IL 60604	312-692-5010	Proprietary
ConvergEx Execution Solutions, LLC	10/15/2008	9/1/2010	5/25/2010	5/27/2010	Member	1633 Broadway 48th Floor New York, NY 10019	212-468-8466	Full Service
COR Clearing, LLC	10/15/2009	NA	NA	NA	Member	1200 Landmark Center 1299 Farnam Street Suite 800 Omaha, NE 68102	402-384-6164	Clearing Firm
Coven and Company, LLC	8/18/2008	10/7/2010	5/14/2010	5/14/2010	Member	599 Lexington Avenue 20th Floor New York, NY 10022	646-562-1623	Market Maker
Coven Prime Services, LLC	3/15/2011	3/15/2011	NA	NA	Member	1010 Franklin Avenue Suite 303 Garden City, NY 11530	212-702-7198	Agency
Credit Suisse Securities (USA), LLC	9/3/2008	10/1/2010	5/25/2010	5/27/2010	Member	11 Madison Avenue 24th Floor New York, NY 10010	212-538-6067	Full Service
Critical Trading, LLC	7/1/2014	NA	NA	NA	Member	120 West 45th Street Suite 120 New York, NY 10036	646-918-0529	Firm Proprietary Trading/Market Maker
Cutler Group, LP	4/1/2010	10/6/2010	NA	10/16/2015	Member	101 Montgomery Street Suite 700 San Francisco, CA 94104	415-293-3956	Market Maker
Cuttone & Co., Inc.	NA	NA	5/25/2010	5/27/2010	Member	111 Broadway 10th Floor New York, NY 10006	646-943-5451	Market Maker
DART Executions, LLC	8/18/2008	10/1/2010	5/25/2010	5/27/2010	Member	350 North Orleans Street Suite 2N Chicago, IL 60654	312-244-5408	Proprietary
Dash Financial, LLC	10/23/2008	7/2/2012	6/9/2010	6/9/2010	Member	180 W. Adams Street 6th Floor Chicago, IL 60603	312-986-6210	Market Maker
Deutsche Bank Securities, Inc.	10/15/2008	10/1/2010	5/21/2010	5/21/2010	Member	60 Wall Street New York, NY 10005	212-250-7635	Full Service
Diffusion Markets, LLC	3/15/2016	NA	NA	NA	Member	1166 Avenue of the Americas New York, NY 10036	212-478-0140	Proprietary / Market Maker
DRW Securities, LLC	9/1/2009	11/1/2010	5/25/2010	5/27/2010	Member	540 West Madison Street Suite 2500 Chicago, IL 60661	312-542-3226	Proprietary / Market Maker
E*TRADE Securities, LLC	NA	NA	NA	6/10/2010	Member	1271 Avenue of the Americas 14th Street New York, NY 10020	703-236-8656	Agency
Electronic Transaction Clearing, Inc.	10/23/2008	9/1/2010	5/25/2010	5/27/2010	Member	660 S. Figueroa Street Suite 1450 Los Angeles, CA 90017	213-402-1564	Market Maker
Essex Radez, LLC	2/17/2009	10/1/2010	5/10/2010	5/14/2010	Member	440 South LaSalle Suite 1111 Chicago, IL 60605	312-212-1815	Service Bureau
First Clearing, LLC	8/18/2008	NA	NA	NA	Member	One North Jefferson Avenue Mail Code: H004-095 St. Louis, MO 63103	314-875-4843	Full Service
First New York Securities, LLC	NA	NA	6/10/2010	6/10/2010	Member	90 Park Avenue 5th Floor New York, NY 10016	212-848-0600	Proprietary
FIS Brokerage & Securities Services, LLC	8/18/2008	10/1/2010	5/6/2010	5/6/2010	Member	2100 Enterprise Avenue Geneva, IL 60134	201-356-1488	Agency
Flow Traders US, LLC	10/1/2009	8/1/2012	2/28/2014	2/28/2014	Member	1095 Avenue of the Americas 24th Floor, Suite B New York, NY 10036	917-210-5020	Hedge Fund
G1 Execution Services, LLC	8/18/2008	12/1/2010	4/17/2010	4/17/2010	Member	440 South LaSalle Suite 3030 Chicago, IL 60605	312-986-8232	Market Maker
GDK, Inc.	6/1/2010	1/3/2011	NA	NA	Member	c/o ART Advisors, LLC 500 Park Avenue New York, NY 10022	212-303-8179	Proprietary

Company Name	BZX Approval Date	BYX Approval Date	EDGA Approval Date	EDGX Approval Date	Type of User	Address	Phone Number	Primary Activities
Geiber Securities, LLC	5/1/2015	NA	NA	NA	Member	350 N. Orleans Street 7th FLOOR Chicago, IL 60654	312-408-4354	Firm Proprietary Trading
Global Execution Brokers, LP	2/1/2010	10/5/2010	12/1/2015	10/15/2015	Member	401 City Avenue Suite 220 Bala Cynwyd, PA 19004	312-435-4167	Institutional
Global HFT Management, LLC	10/1/2010	NA	NA	NA	Sponsored Participant	800 Third Avenue New York, NY 10022	212-813-0870	Proprietary
Global Liquidity Partners, LLC	4/21/2011	5/15/2012	NA	NA	Sponsored Participant	12 Broad Street Suite 201 Redbank, NJ 07701	773-459-4665	Agency
Goldman Sachs & Co.	10/23/2008	10/12/2010	5/14/2010	5/14/2010	Member	200 West Street New York, NY 10282	212-357-4587	Full Service
Goldman Sachs Execution & Clearing, LP	10/15/2008	10/1/2010	5/14/2010	5/14/2010	Member	200 West Street New York, NY 10282	212-357-7519	Full Service
Great Point Capital, LLC	2/2/2015	2/2/2015	2/2/2015	2/2/2015	Member	175 W. Jackson Blvd. Suite 1450 Chicago, IL 60604	312-356-4668	Agency
Green Street Trading, LLC	11/1/2011	NA	NA	NA	Member	660 Newport Center Drive Suite 800 Newport Beach, CA 92660	214-749-4730	Agency
Group One Trading, LP	6/2/2015	NA	NA	9/29/2015	Member	440 S. LaSalle Suite 3232 Chicago, IL 60605	312-347-8964	Options Market Maker
GSN North America, Inc.	8/18/2008	NA	NA	NA	Member	520 Madison Avenue New York, NY 10022	212-659-6292	Agency
GTS Securities, LLC	12/17/2013	5/1/2012	6/2/2014	6/2/2014	Member	545 Madison Avenue 15th Floor New York, NY 10022	212-715-2837	Proprietary
Hainey Investments Limited	6/16/2014	NA	NA	NA	Sponsored Participant	Themstoki Dervi 41 #806-807 Nicosia, Cyprus	704-248-8221	Proprietary
HAP Trading, LLC	10/1/2009	11/15/2010		6/2/2010	Member	33 Whitehall Street 6th Floor New York, NY 10004	212-380-5186	Proprietary
Hardcastle Trading USA, LLC	4/15/2009	NA	5/25/2010	5/27/2010	Member	755 Secaucus Road Suite F-1110 Secaucus, NJ 07094	201-305-8817	Proprietary
Henning-Carey Proprietary Trading, LLC	8/15/2012	NA	NA	NA	Sponsored Participant	141 W. Jackson Boulevard Suite 1801 Chicago, IL 60604	312-789-8764	Proprietary
Highbridge Capital Management, LLC	10/23/2008	NA	NA	NA	Sponsored Participant	9 West 57th Street 27th Floor New York, NY 10019	212-287-4900	Proprietary
Hilltop Securities, Inc.	10/23/2008	9/1/2010	NA	5/21/2013	Member	1201 Elm Street Suite 3500 Dallas, TX 75270	214-859-5125	Clearing Firm
HRT Financial, LLC	2/1/2010	10/1/2010	5/18/2010	5/18/2010	Member	32 Old Slip 30th Floor New York, NY 10005	212-293-1927	Proprietary
ICAP Corporates, LLC	NA	NA	3/28/2013	NA	Member	Harborside Financial Center 1100 Plaza 5, 12th Floor Jersey City, NJ 07311	212-341-9550	Agency
IEX Services, LLC	10/1/2013	10/1/2013	9/24/2013	9/24/2013	Member	7 World Trade Center 30th Floor New York, NY 10007	646-568-2337	ATS
IMC Financial Markets	8/18/2008	10/1/2010	5/25/2010	5/27/2010	Member	233 South Wacker Drive Suite 4300 Chicago, IL 60606	312-244-3320	Proprietary
Imperial Capital, LLC	10/23/2008	NA	5/25/2010	5/27/2010	Member	2000 Avenue of the Stars 9th Floor Los Angeles, CA 90067	310-246-3674	Market Maker
Industrial and Commercial Bank of China Financial Services, LLC	5/15/2014	5/15/2014	NA	NA	Member	1633 Broadway New York, NY 10019	212-300-8520	Clearing Services
Instinet, LLC	8/18/2008	9/1/2010	5/14/2010	5/14/2010	Member	1095 Avenue of the Americas New York, NY 10036	212-310-4097	Agency
Interactive Brokers, LLC	8/18/2008	9/15/2010	5/25/2010	5/27/2010	Member	One Pickwick Plaza 2nd Floor Greenwich, CT 06830	203-618-5870	Full Service
International Correspondent Trading, Inc.	8/18/2008	NA	NA	NA	Member	525 Washington Boulevard Suite 2401 Jersey City, NJ 07310	201-222-9300	Agency
ISTRA, LLC	12/15/2011	12/15/2011	NA	NA	Sponsored Participant	230 Park Avenue 10th Floor New York, NY 10169	718-618-4829	Proprietary
ITG Derivatives, LLC	8/18/2008	11/15/2010	NA	11/12/2015	Member	601 S. LaSalle Street Suite 300 Chicago, IL 60605	312-334-8042	Market Maker
ITG, Inc.	8/18/2008	10/1/2010	5/25/2010	5/27/2010	Member	One Liberty Plaza 165 Broadway, 4th Floor New York, NY 10006	212-444-6259	Agency
Jane Street Capital, LLC	5/1/2009	11/15/2010	5/14/2010	5/14/2010	Member	One New York Plaza New York, NY 10004	212-651-6060	Agency / Proprietary
Jane Street Options, LLC	1/3/2012	NA	NA	NA	Sponsored Participant	One New York Plaza New York, NY 10004	212-651-6959	Proprietary
Jaypee International, Inc.	10/15/2009	NA	NA	NA	Member	30 South Wacker Drive Suite 1700 Chicago, IL 60606	312-655-7606	Agency
Jefferies Execution Services, Inc.	8/29/2008	9/1/2010	5/25/2010	5/27/2010	Member	520 Madison Avenue New York, NY 10022	646-805-5415	Full Service
Jefferies Investment Advisers	7/1/2011	7/15/2011	NA	NA	Sponsored Participant	520 Madison Avenue New York, NY 10022	212-323-3993	Full Service
Jefferies, LLC	10/23/2008	10/19/2010	5/25/2010	5/27/2010	Member	520 Madison Avenue New York, NY 10022	212-323-3987	Full Service
JNK Securities Corp.	11/17/2008	11/15/2010	NA	NA	Member	902 Broadway 20th Floor New York, NY 10010	212-885-6311	Agency

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JP Morgan Clearing Corp.	10/23/2008	9/15/2010	NA	10/6/2015	Member	383 Madison Avenue New York, NY 10179	212-272-6655	Full Service
JP Morgan Securities, LLC	8/18/2008	9/15/2010	5/14/2010	5/14/2010	Member	383 Madison Avenue New York, NY 10179	212-622-5504	Full Service
Juliet Group, LLC	3/1/2011	3/1/2011	NA	NA	Sponsored Participant	240 E. 35th Street #3A New York, NY 10016	646-360-0595	Proprietary
Jump Trading, LLC	8/18/2008	10/1/2010	5/14/2010	5/14/2010	Member	600 West Chicago Avenue Suite 825 Chicago, IL 60654	312-930-9603	Proprietary
Just2Trade, Inc.	8/15/2013	8/15/2013	8/15/2014	8/15/2014	Member	17 State Street 7th Floor New York, NY 10004	646-346-1000	Retail
KCG Americas, LLC	9/15/2009	10/14/2010	1/3/2011	1/3/2011	Member	545 Washington Boulevard Jersey City, NJ 07310	201-356-4232	Agency
Keefe Bruyette & Woods, Inc.	8/18/2008	12/1/2010	6/8/2010	6/8/2010	Member	787 7th Avenue New York, NY 10019	212-887-8965	Agency
Kershner Securities, LLC	2/12/2009	11/1/2010	NA	NA	Member	1825-B Kramer Lane Suite 200 Austin, TX 78758	512-439-8140	Proprietary
Lampart Capital Markets, Inc.	2/18/2014	2/18/2014	2/26/2014	2/26/2014	Member	477 Madison Avenue Suite 230 New York, NY 10022	(646) 367-4660	Introducing Broker
Lamport Capital, LC	NA	NA	NA	3/15/2016	Member	7777 W. Glades Road Suite 213 Boca Raton, FL 33434	(561) 883-0454	Proprietary and Public Customer Business
Latour Trading, LLC	8/17/2009	10/1/2010	5/26/2010	5/27/2010	Member	377 Broadway 10th Floor New York, NY 10013	917-388-8625	Proprietary
Leerink Partners, LLC	8/18/2008	10/5/2010	5/26/2010	5/27/2010	Member	1 Federal Street 37th Floor Boston, MA 02110	800-808-7525	Agency
LEK Securities Corporation	8/18/2008	10/1/2010	5/26/2010	5/27/2010	Member	1 Liberty Plaza 165 Broadway, 52nd Floor New York, NY 10006	212-509-2300	Agency
Lightspeed Trading, LLC	8/18/2008	11/15/2010	5/19/2010	5/19/2010	Member	1001 Avenue of the Americas 16th Floor New York, NY 10018	646-393-4814	Proprietary
Lirne Brokerage, LLC	8/18/2008	10/1/2010	5/26/2010	5/27/2010	Member	625 Broadway 12th Floor New York, NY 10012	212-219-6086	Agency
Liquidnet, Inc.	9/1/2009	9/15/2010	NA	NA	Member	498 7th Avenue 12th Floor New York, NY 10018	646-660-8310	Institutional
Macquarie Capital (USA), Inc.	12/1/2009	NA	5/26/2010	5/27/2010	Member	125 West 55th Street Level 22 New York, NY 10019	212-231-2501	Agency
Marathon Trading Group, LLC	2/13/2015	NA	NA	NA	Member	100 Malsonford Road Building 3, Suite 240 Wayne, PA 19087	610-254-4890	Options Market Maker
Match-Point Securities, LLC	NA	NA	NA	11/16/2015	Member	303 East 57th Street, 26L New York, NY 10022	917-359-5734	Public Customer Business
MB Trading	2/17/2009	12/15/2010	NA	NA	Member	1926 East Maple Avenue El Segundo, CA 90245	866-628-3001	Retail / Agency
Merrill Lynch Pierce Fenner & Smith, Incorporated	8/18/2008	10/4/2010	5/14/2010	5/14/2010	Member	One Bryant Park New York, NY 10036	212-449-6090	Full Service
Merrill Lynch Professional Clearing Corp.	8/18/2008	10/5/2010	5/14/2010	5/14/2010	Member	One Bryant Park NY1-100-06-01 New York, NY 10036	312-260-5601	Clearing Firm
Mizuho Securities USA, Inc.	6/1/2010	1/3/2011	NA	NA	Member	320 Park Avenue 12th Floor New York, NY 10022	212-209-9338	Agency
MKM Partners, LLC	8/3/2009	NA	5/14/2010	5/14/2010	Member	300 First Stamford Place 4th Floor East Wing Stamford, CT 06902	203-987-4005	Agency
Monadnock Capital Management, LP	5/15/2009	NA	5/28/2010	5/27/2010	Member	1845 Walnut Street Suite 940 Philadelphia, PA 19103	215-405-7280	Proprietary / Market Maker
Moors & Cabot, Inc.	NA	4/2/2012	NA	NA	Member	111 Devonshire Street Boston, MA 02109	617-314-0295	Agency
Morgan Stanley & Co., LLC	10/23/2008	9/1/2010	5/14/2010	5/14/2010	Member	1585 Broadway New York, NY 10036	212-761-9324	Full Service
NASDAQ Execution Services, LLC	8/19/2008	9/1/2010	5/26/2010	5/27/2010	Member	One Liberty Plaza 165 Broadway New York, NY 10006	212-231-5177	Exchange
National Financial Services, LLC	10/23/2008	10/4/2010	5/26/2010	5/27/2010	Member	200 Seaport Boulevard Boston, MA 02210	201-915-8264	Retail / Agency
National Securities Corporation	7/1/2009	NA	NA	NA	Member	1001 Fourth Avenue Suite 3750 Seattle, WA 98154	212-417-3636	Agency
Needham & Company, LLC	10/23/2008	10/1/2010	NA	NA	Member	445 Park Avenue New York, NY 10022	212-371-8411	Market Maker
Newedge USA, LLC	10/23/2008	10/21/2010	5/26/2010	5/27/2010	Member	550 W. Jackson Boulevard Suite 500 Chicago, IL 60661	646-557-8387	Full Service
Nomura Securities International, Inc.	10/23/2008	10/1/2010	5/26/2010	5/27/2010	Member	Worldwide Plaza 309 West 49th Street New York, NY 10019	212-667-9131	Institutional
Northern Trust Securities, Inc.	8/18/2008	10/5/2010	5/26/2010	5/27/2010	Member	50 South LaSalle Street Chicago, IL 60603	312-630-6045	Market Maker
Northland Securities, Inc.	12/15/2010	12/15/2010	NA	NA	Member	45 South 7th Street 20th Floor Minneapolis, MN 55402	612-851-5934	Proprietary
OBD Securities, LLC	9/1/2011	NA	NA	2/9/2012	Member	150 N. Michigan Avenue Suite 3700 Chicago, IL 60601	312-788-1643	Proprietary

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Old Mission Capital, LLC	4/16/2012	4/16/2012	4/25/2012	4/25/2012	Member	314 West Superior Suite 200 Chicago, IL 60654	617-642-6120	Proprietary
optionsXpress, Inc.	6/15/2010	NA	NA	NA	Member	311 West Monroe Suite 1000 Chicago, IL 60606	312-630-3300	Retail
Optiver US, LLC	6/15/2009	NA	NA	NA	Member	130 East Randolph Street 13th Floor Chicago, IL 60601	312-821-9263	Proprietary / Market Maker
OTA, LLC	8/18/2008	10/7/2010	NA	NA	Member	One Manhattanville Road Purchase, NY 10577	914-460-4071	Institutional
OTR Global Trading, LLC	12/15/2008	NA	NA	NA	Member	One Manhattanville Road Purchase, NY 10577	914-460-4099	Institutional
PDQ ATS, Inc.	10/15/2008	10/4/2010	5/26/2010	5/27/2010	Member	2624 Patriot Boulevard Glenview, IL 60026	224-521-2494	ATS
PEAK6 Capital Management, LLC	8/1/2014	NA	NA	2/1/2016	Member	141 W. Jackson Blvd. Suite 500 Chicago, IL 60604	312-362-2357	Proprietary Trading
PEAK6 Capital Management, LLC	11/3/2008	7/15/2011	NA	NA	Sponsored Participant	141 W. Jackson Blvd. Suite 500 Chicago, IL 60604	312-362-2401	Market Maker
Penserra Securities, LLC	8/18/2008	10/6/2010	NA	NA	Member	140 Broadway 26th Floor New York, NY 10005	212-607-3190	Agency
Pershing, LLC	8/18/2008	9/15/2010	5/26/2010	5/27/2010	Member	One Pershing Place Jersey City, NJ 07399	201-413-2826	Agency
Pico Quantitative Trading, LLC	NA	NA	6/10/2010	6/10/2010	Member	120 Wall Street 16th Floor New York, NY 10005	917-714-5376	Agency
Pictet Overseas, Inc.	6/1/2015	6/1/2015	5/26/2010	5/27/2010	Member	1000 de la Gauchetiere Ouest Montreal, Quebec H3B 3W5	514-350-6263	Agency
Piper Jaffray & Co.	10/15/2008	11/15/2012	5/14/2010	5/14/2010	Member	800 Nicollet Mall Minneapolis, MN 55402	612-303-2211	Market Maker
Potamus Trading, LLC	4/15/2013	4/15/2013	4/11/2013	4/11/2013	Member	2 Seaport Lane 5th Floor Boston, MA 02210	617-855-8721	Proprietary / Market Maker
Princeton Alpha Management, LP	12/1/2015	12/1/2015	12/1/2015	12/1/2015	Sponsored Participant	61 Princeton Hightstown Rd. West Windsor, NJ 08550	609-269-9212	Agency
Quantex Clearing, LLC	10/3/2011	12/27/2011	5/17/2011	5/17/2011	Member	70 Hudson Street Hoboken, NJ 07030	646-214-5608	Clearing Firm
Quantlab Securities, LP	8/18/2008	11/1/2010	5/26/2010	5/27/2010	Member	4200 Montrose Boulevard Suite 200 Houston, TX 77006	713-333-3704	Proprietary
Rackson Asset Management, LLC	10/1/2009	NA	NA	NA	Sponsored Participant	2000 Broadway Suite 22C New York, NY 10023	212-724-2567	Proprietary
Rainier Investment Management, Inc.	1/4/2010	NA	NA	NA	Sponsored Participant	601 Union Street Suite 2801 Seattle, WA 98101	206-518-6658	Hedge Fund
Raven Securities Corp.	8/1/2009	11/15/2010	NA	NA	Member	Accounting & Compliance International 40 Wall Street, 17th Floor New York, NY 10005	212-952-0634	Agency
RBC Capital Markets, LLC	9/18/2008	10/14/2010	5/14/2010	5/14/2010	Member	3 World Financial Center 200 Vesey Street New York, NY 10281	612-373-1680	Market Maker
RGM Securities, LLC	6/3/2009	10/1/2010	5/26/2010	5/27/2010	Member	221 West 8th Street Suite 2030 Austin, TX 78701	512-807-5302	Proprietary
River Cross Securities, LLLP	5/1/2009	10/5/2010	6/10/2010	NA	Member	401 City Avenue Suite 912 Bala Cynwyd, PA 19004	610-747-2333	ATS
RJL Capital Group, LLC	5/15/2012	NA	NA	NA	Member	2 Teleport Drive Suite 107 Staten Island, NY 10311	718-303-6000	Agency
Robert W. Baird & Co., Incorporated	10/23/2008	1/3/2011	NA	NA	Member	777 East Wisconsin Avenue Milwaukee, WI 53202	414-765-3910	Market Maker
Ronin Capital, LLC	NA	NA	NA	6/8/2012	Member	350 N. Orleans Street Suite 2N Chicago, IL 60654	312-244-5284	Market Maker
Ronin Capital, LLC	8/17/2009	11/15/2010	NA	NA	Sponsored Participant	350 N. Orleans Street Suite 2N Chicago, IL 60654	312-244-5284	Proprietary / Market Maker
Rosenblatt Securities, Inc.	8/18/2008	10/6/2010	5/26/2010	5/27/2010	Member	20 Broad Street 26th Floor New York, NY 10005	212-943-5225	Agency
Roth Capital Partners, LLC	8/18/2008	NA	NA	NA	Member	888 San Clemente Suite 150 Newport Beach, CA 92660	949-720-5708	Market Maker
RW Pressprich & Co.	2/17/2009	11/15/2010	6/2/2010	6/2/2010	Member	4521 Fifth Avenue New York, NY 10018	212-832-6254	Agency
SAC Capital Advisors, LP	10/23/2008	NA	NA	NA	Sponsored Participant	72 Cummings Point Road Stamford, CT 06902	203-890-2275	Hedge Fund
Safra Securities, LLC	NA	NA	5/26/2010	5/27/2010	Member	546 Fifth Avenue New York, NY 10036	212-704-5524	Market Maker
SageTrader, LLC	3/1/2016	NA	NA	NA	Member	One Embarcadero Center Suite 1150 San Francisco, CA 94111	646-663-1084	Public Customer Business
Sanford C. Bernstein & Co. LLC	9/10/2008	10/21/2010	5/28/2010	5/27/2010	Member	1345 Ave of the Americas New York, NY 10105	212-823-2896	Agency
Santander Investment Securities, Inc.	4/15/2009	1/3/2011	NA	NA	Member	45 East 53rd Street New York, NY 10022	212-350-3659	Institutional
Scotia Capital (USA), Inc.	3/2/2009	9/15/2010	5/26/2010	5/27/2010	Member	1 Liberty Plaza 165 Broadway New York, NY 10006	212-225-6705	Institutional

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Scottrade, Inc.	6/1/2010	11/15/2010	5/26/2010	5/27/2010	Member	12800 Corporate Hill Drive St. Louis, MO 63131	314-965-1555 x.6402	Retail
Seven Points Capital, LLC	8/18/2008	12/15/2010	5/14/2010	NA	Member	805 Third Avenue 15th Floor New York, NY 10022	212-760-0760	Agency
SG Americas Securities, LLC	9/17/2008	11/15/2011	5/14/2010	5/14/2010	Member	245 Park Avenue New York, NY 10167	212-278-5232	Proprietary
Silver Fern Investments, LLC	8/20/2015	8/20/2015	8/20/2015	8/20/2015	Sponsored Participant	533 2nd Street Encinitas, CA 92024	858-947-8650	Proprietary
Simplex Trading, LLC	3/16/2015	NA	NA	NA	Member	230 S. LaSalle Street Suite 4-100 Chicago, IL 60604	312-360-2440	Proprietary
Spot Trading, LLC	6/1/2012	NA	1/25/2013	1/25/2013	Member	440 South LaSalle Suite 2800 Chicago, IL 60605	312-362-4569	Proprietary
Stifel Nicolaus & Company, Incorporated	8/18/2008	NA	5/2/2010	6/2/2010	Member	501 North Broadway St. Louis, MO 63102	410-454-4096	Agency
Stock USA Execution Services, Inc.	NA	NA	5/26/2010	5/27/2010	Member	1717 Route 6 Suite 102 Carmel, NY 10542	845-531-2631	Agency
Stuart Frankel & Co., Incorporated	8/18/2008	NA	NA	NA	Member	60 Cutter Mill Road Suite 406 Great Neck, NY 11021	212-943-8788	Agency
Stuyvesant Trading Group, LLC	8/15/2013	NA	NA	NA	Member	100 Wall Street Suite 604-A New York, NY 10005	212-433-7124	Market Maker
Summit Securities Group, LLC	7/16/2012	7/16/2012	8/20/2012	8/20/2012	Member	2 Rector Street 16th Floor New York, NY 10006	646-651-4380	Proprietary
Sumo Capital, LLC	7/15/2013	NA	NA	10/15/2015	Member	440 S LaSalle Street Suite 2101 Chicago, IL 60605	212-433-7667	Proprietary
Sun Trading, LLC	8/18/2008	10/1/2010	5/26/2010	5/27/2010	Member	100 South Wacker Suite 300 Chicago, IL 60606	312-924-4751	Proprietary
Susquehanna Capital Group	9/3/2008	10/5/2010	5/26/2010	5/27/2010	Member	401 City Avenue Suite 220 Bala Cynwyd, PA 19004	610-617-2996	Institutional / Agency
Susquehanna Financial Group, LLLP	9/3/2008	10/5/2010	5/26/2010	5/27/2010	Member	401 City Avenue Suite 220 Bala Cynwyd, PA 19004	610-617-2999	Institutional / Agency
Susquehanna Securities	10/15/2014	10/15/2014	10/15/2014	10/15/2014	Member	401 City Avenue Suite 220 Bala Cynwyd, PA 19004	610-617-2618	Proprietary
TD Ameritrade Clearing, Inc.	5/3/2011	5/3/2011	NA	5/27/2010	Member	200 South 108th Avenue Omaha, NE 68154	402-970-5271	Agency
Telsey Advisory Group, LLC	1/24/2011	8/15/2014	NA	NA	Member	535 Fifth Avenue 12th Floor New York, NY 10017	212-584-4628	Agency
Tewksbury Investment Fund, Ltd.	10/23/2008	11/15/2010	NA	NA	Sponsored Participant	Washington Mall I 20th Church Street, 4th Floor Hamilton, HM 11 Bermuda	212-310-7076	Proprietary
Tewksbury Investment Fund, Ltd.	7/1/2011	7/1/2011	1/6/2015	1/6/2015	Sponsored Participant	Washington Mall I 20th Church Street, 4th Floor Hamilton, HM 11 Bermuda	610-971-5000	Proprietary
Themis Trading, LLC	8/18/2008	10/1/2010	NA	NA	Member	10 Town Square Suite 100 Chatham, NJ 07928	866-384-3647	Agency
ThinkTrade, LLC	2/1/2010	10/20/2010	1/9/2015	1/9/2015	Sponsored Participant	2210 Encinitas Boulevard Suite 1 Encinitas, CA 92024	760-452-2451	Proprietary
Timber Hill, LLC	2/16/2010	NA	NA	NA	Member	One Pickwick Plaza Suite 200 Greenwich, CT 06830	203-618-5806	Market Maker
TMT East, LLC	6/1/2015	NA	NA	NA	Member	440 South LaSalle Street Suite 1729 Chicago, IL 60605	917-834-8104	Market Maker
Tradebot Systems, Inc.	8/18/2008	9/1/2010	5/26/2010	5/27/2010	Member	1251 NW Brarcliff Parkway Suite 700 Kansas City, MO 64116	816-285-6403	Proprietary
TraceKing	10/15/2009	11/15/2010	NA	NA	Member	888 E. Las Olas Boulevard Suite 300 Fort Lauderdale, FL 33301	561-271-9290	Agency
TradeStation Securities, Inc.	8/18/2008	9/1/2010	5/25/2010	5/25/2010	Member	8050 SW 10th Street Suite 2000 Plantation, FL 33324	954-652-7856	Market Maker
TRC Helepolis, Ltd.	12/11/2009	NA	NA	NA	Sponsored Participant	377 Broadway 11th Floor New York, NY 10013	646-472-1792	Proprietary
Tripoint Global Equities, LLC	6/15/2011	NA	NA	NA	Member	130 West 42nd Street 10th Floor New York, NY 10036	917-512-0822	Proprietary
Tudor Pickering Holt & Co. Securities, Inc.	8/18/2008	10/17/2011	NA	NA	Member	1111 Bagby Suite 4900 Houston, TX 77002	713-333-2976	Agency
Two Sigma Investments, LLC	9/1/2009	NA	NA	NA	Sponsored Participant	100 Avenue of the Americas 4th Floor New York, NY 10013	212-775-6678	Proprietary
Two Sigma Partners Master Fund, Ltd.	3/2/2009	NA	NA	NA	Sponsored Participant	100 Avenue of the Americas 4th Floor New York, NY 10013	212-775-6678	Proprietary
Two Sigma Securities, LLC	10/1/2009	10/5/2010	5/27/2010	5/27/2010	Member	100 Avenue of the Americas 4th Floor New York, NY 10013	646-292-6643	Proprietary
Two Sigma Securities, LLC	7/1/2009	NA	NA	NA	Sponsored Participant	100 Avenue of the Americas 4th Floor New York, NY 10013	646-292-6643	Proprietary
UBS Securities, LLC	10/15/2008	10/1/2010	4/12/2010	4/12/2010	Member	1285 Avenue of the Americas New York, NY 10019	203-719-3275	Full Service
Ustocktrade Securities, Inc.	4/17/2015	NA	NA	NA	Member	275 Grove Street Suite 2-400 Newton, MA 02466	617-340-3041	Proprietary

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ViewTrade Securities, Inc.	8/18/2008	11/15/2010	6/10/2010	6/10/2010	Member	7280 W. Palmetto Park Road Suite 105 Boca Raton, FL 33433	561-620-0306	Agency
Virtu Financial BD, LLC	11/17/2008	10/7/2010	5/27/2010	5/27/2010	Member	645 Madison Avenue 16th Floor New York, NY 10022	212-418-0118	Proprietary
Virtu Financial Capital Markets, LLC	8/18/2008	9/1/2010	5/25/2010	5/27/2010	Member	307 Camp Craft Road West Lake Hills, TX 78746	310-651-9757	Proprietary
Visior Financial Markets, LLC	4/1/2009	11/15/2010	7/13/2012	7/13/2012	Member	4 High Ridge Park Suite 100 Stamford, CT 06905	203-388-2675	Retail
Volant Liquidity, LLC	4/15/2011	NA	5/27/2010	5/27/2010	Member	7 World Trade Center Suite 3301 New York, NY 10007	646-484-3005	Proprietary
Wall Street Access	11/3/2009	10/17/2011	5/27/2010	5/27/2010	Member	17 Battery Place 11th Floor New York, NY 10004	212-232-5602	Agency
Walleye Trading, LLC	12/1/2008	11/12/2010	NA	NA	Member	2800 Niagara Lane North Plymouth, MN 55447	952-345-5226	Market Maker
Wedbush Securities, Inc.	8/18/2008	9/1/2010	5/27/2010	5/27/2010	Member	1000 Wilshire Boulevard #900 Business Conduct Los Angeles, CA 90017	213-688-4575	Market Maker
Weeden & Co, LP	8/26/2008	10/19/2010	NA	NA	Member	145 Mason Street Greenwich, CT 06830	203-861-7600	Full Service
Wells Fargo Prime Services, LLC	10/23/2008	5/16/2011	5/26/2010	5/26/2010	Member	45 Fremont Street 30th Floor San Francisco, CA 94105	415-848-4056	Market Maker
Wells Fargo Securities, LLC	8/18/2008	10/11/2010	6/9/2010	6/9/2010	Member	550 South Tryon Street, 6th Floor D1086-060 Charlotte, NC 28202	212-214-6458	Agency
Westem International Securities, Inc.	8/18/2008	11/15/2010	NA	NA	Member	70 South Lake Avenue 7th Floor Pasadena, CA 91101	626-710-3110	Market Maker
Williams Trading, LLC	10/23/2008	NA	NA	NA	Member	450 Post Road East Suite 120 Westport, CT 06880	203-353-7635	Agency
Wolverine Execution Services LLC	8/18/2008	10/19/2010	5/14/2010	5/14/2010	Member	175 West Jackson Boulevard Suite 200 Chicago, IL 60604	312-884-3736	Market Maker
Wolverine Trading, LLC	10/3/2011	NA	NA	10/1/2015	Member	175 West Jackson Boulevard Suite 200 Chicago, IL 60604	312-884-3753	Proprietary / Market Maker
Xambaia Capital, LLC	2/15/2012	2/15/2012	2/17/2012	2/17/2012	Member	640 W. California Avenue Suite 220 Sunnyvale, CA 94086	408-990-1942	Proprietary