Date: June 18, 2019

Audience: NYSE Chicago Traders

Subject: NYSE Pillar Migration Update – NYSE Chicago

Subject to regulatory approval, NYSE Chicago will migrate to the NYSE Pillar Platform on November 4, 2019. Several key elements of the new NYSE Chicago will be:

- NYSE Pillar technology platform
- Price-time priority model
- Continued support of NYSE Chicago's Institutional Brokerage community
- NYSE Chicago will not be a primary listing venue and will not conduct auctions in any symbols
- Trading in all NMS securities on an unlisted trading privileges basis will be operated out of Mahwah, NJ

In preparation for the migration to the NYSE Pillar system in Mahwah, NYSE Chicago intends to first move the trading of all symbols to its NY4 data center, effective for trading on July 1, 2019, under its existing NYSE Chicago technology. Any NYSE Chicago members interested in providing input on this move should send an email to rmteam@nyse.com.

Customer Gateways

Once NYSE Chicago migrates to Pillar, customers must access NYSE Chicago via the NYSE Pillar Gateways using NYSE Pillar Binary and NYSE Pillar FIX specifications. IB customers must connect via FIX only, and the current customer gateways to NYSE Chicago will no longer be available. To connect to the NYSE Pillar Gateways, customers must complete the following steps:

- Complete the UAT Test Script (See Certification / Testing section below)
- Complete the NYSE Master User Agreement
- Complete the NYSE Pillar Connectivity Questionnaire
- Request production Pillar sessions (See Certification / Testing section below)
    - Confirm Source IPs with IGN Sales Engineering
    - NYSE Pillar Production Session Request Form

Production sessions may be requested beginning on July 22, 2019.

Market Data

NYSE Chicago will continue to publish market data to the SIPs with the Participant ID of "M".

Subject to effectiveness of rule filings, upon migration of NYSE Chicago to the Pillar platform, three proprietary market data feeds will be made available to customers: NYSE Chicago Integrated Feed, NYSE Chicago BBO, and NYSE Chicago Trades. Client specifications are available on the respective product pages.

Multicast IPs and ports for these feeds are available on the Chicago tab of [NYSE Proprietary Data IP Addresses](). To subscribe to the NYSE Chicago Pillar proprietary data feeds, please contact your data vendor. Customers are required to certify their market data sessions for refresh/retransmission in the NYSE Pillar CERT environment before activation in production. In addition to the proprietary market data feeds, [Historical TAQ]() data files will also be made available.

Subject to effectiveness of rule filings, NYSE Chicago will eliminate Market Data Revenue ("MDR") rebates on July 1, 2019.

Certification / Testing

The Pillar Certification environment for NYSE Chicago is now available. The testing process requires firms to:

- Submit a test session [request form]() to [tms@nyse.com](),
- Perform one-on-one certification testing with a member of the Firm Testing Team (by appointment only),
- Complete a test script for all session level and application messaging, and;
- Submit an attestation upon successful completion of the testing checklist.
- Firms that have already completed the certification process for NYSE/NYSE Arca/American/National will not need to repeat for NYSE Chicago; however, attestation will still be required.

Shadow and Weekend Industry Testing

Shadow testing in the production environment with test symbols will be available on September 9, 2019. Weekend production testing opportunities will be available on:

- September 7, 2019 (Production)
- September 14, 2019 (Production and DR)
- October 12, 2019 (Production and DR)
- Go Live testing on November 2, 2019

Test symbols and test script information will be provided at a later date.

ICE Global Network Connectivity

Subject to effectiveness of rule filings, NYSE Chicago will be included on IGN High Availability ports at no additional charge as part of the NYSE Core product (please note that outside of Mahwah the NYSE Core excludes Integrated Feed). New Chicago customers are required to sign a new IGN order form for activation. Current customers are recommended to request order forms and confirm any new source IPs to be used for this new market service to their IGN Sales Representative.

Note: Test services are available on IGN IP ports only, not via LCN/LCN-LX.

NYSE Pillar Landing Page

Information will also be made available at: [http://nyse.com/Pillar.]()

NYSE Trading Operations	Relationship Management	Technology Member Services	Client Relationship Services
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212-896-2830 x1	855-898-9012	212-896-2830 x2	212-896-2830 x4