

Information Memo



11 Wall Street
New York, NY 10005

Trading Technology

September 24, 2009

TO: ALL MEMBERS, MEMBER ORGANIZATIONS

SUBJECT: NYSE Euronext's New US Datacenter Migration

Route To: Business Leaders, Technology and Operations Officers

NYSE Euronext's New Data Center

In August of 2010, NYSE Euronext plans take the first steps in migrating trading of its US markets to its new, state-of-the-art data center. Construction of this facility is well underway and represents a significant investment by NYSE Euronext to provide our customers with a technology platform that can facilitate industry leading performance with greater security, flexibility and collocation opportunities.

This notice provides an overview of the new data center facility, planned migration strategy, a proposed time-line, a summary of how this migration will impact firms, as well as testing opportunities. Firms are being notified in advance so that they can plan appropriately for this migration.

Separate notices cover parallel moves for other NYSE Euronext markets such as Arca, Arca Options, Amex Options, etc.

Data Center Overview

The new data center is a 398,000 sq. ft. facility, based on a Tier 4 guided design, offering high availability data center space, ultra low latency trading facilities and collocation services. The facility provides for up to five, 20,000 sq. ft pods with an initial deployment of no less than 20,000 sq. ft of collocation space. Firms will be offered SFTI IP and SFTI LCN (Liquidity Center Network) network services for access to B2B, NYSE Euronext trading

systems & NYSE Technologies value added market data and risk management gateway offerings. SFTI Optic will also be available to support point-to-point high speed ethernet over DWDM connectivity out to four metro-NYC access centers and beyond.

Timeline

Construction and internal testing of the new data center facility is planned for completion in the first quarter of 2010. Starting in the second quarter of 2010, firms will be able to start the installation of their collocation equipment, progress through connectivity and application testing, culminating in production industry testing and migration of stocks in early third quarter of 2010.

2010 Data Center Migration Timeline:

- Mid-April – Accepting delivery of collocation equipment and installation begins
- Mid-May – External connectivity testing becomes available
- June – Collocation and application level testing will become available
- July – Production industry testing will be conducted from the new data center
- August – Migration of stocks begins with one NYSE issue
- Late August – Migration of NYSE and NYSE Amex stocks completes

Migration Strategy

The build out of the new data center involves new network infrastructure and trading platform hardware. New Display Book (DBK), Super Display Book (SDBK), Common Customer Gateway (CCG) hardware and supporting market data and infrastructure systems will be deployed in the new site. This new infrastructure will introduce new IP addresses to which firms must connect (see Connectivity Changes section).

Migration of NYSE and NYSE Amex stocks to the new data center will take place throughout the month of August, 2010. For the initial phase, a single stock will be migrated to production in the new data center and will be available for production beta testing for approximately one week. At the end of the first week, an additional set of symbols with a broader trading profile will be migrated in one or two phases for an additional week. Pending a successful initial phase, all NYSE and NYSE Amex symbols will be migrated. Details of the stocks that will be migrated in each phase will be communicated in later NYSE Trader updates.

To ensure a stable software platform during migration, the NYSE will make limited changes to the NYSE or NYSE Amex platforms between May, 2010 and the completion of the migration.

Connectivity Changes

Currently, firms connect to the NYSE and NYSE Amex markets through the Secure Financial Transaction Infrastructure (SFTI) to a Common Customer Gateway (CCG) via a Secure Gateway (SGW) interface. Firms are able to establish multiple CCG sessions via a single SGW IP address. The CCG configuration for the new data center will be transitioned to one that is consistent with other NYSE Euronext markets where by firms will connect to a unique

IP address for each CCG session. The existing SFTI infrastructure connectivity will remain intact, but firms will need to account for multiple IP connections in their software.

Additionally, NYSE and NYSE Amex Proprietary Data Products (NYSE OpenBook Ultra, Order Imbalances, Best Quotes, Trades, etc) will be made available via the new data center. Firms will need to obtain new IP addresses for delivery of these products as well. Details of the future configuration of these systems will be forthcoming in future communications.

Connectivity to the new datacenter through existing CCG IP addresses at 55 Water Street will remain functional throughout the migration and for some period beyond, but firms will experience added latency. Firms are encouraged to establish new IP connections directly into the new data center to fully take advantage of the improved latency characteristics.

Testing

NYSE Euronext plans to offer several levels of testing opportunities to firms in 2010:

- Beginning in May, firms will be able to start external connectivity testing of new IP addresses to the new data center during regular business hours.
- In June, collocation and application level test support will be made available, similar to the current User Acceptance Test (UAT) environment, but on an extended hours basis.
- In July, several week-end Production Industry testing opportunities will be made available.

Additional Information

Subsequent notices will be distributed on the following topics:

- Technical Details of Connectivity Changes
- Collocation Space Acquisition
- Delivery and Installation of Collocation Equipment
- Connectivity and Application Testing
- Industry Testing Opportunities
- Details of Stock Migrations

Contacts

For any general inquiries, please contact your NYSE Relationship Manager directly or via their general email: relationshipMgt@nyx.com

For any technical collocation inquiries please contact your NYSE Technologies representative at (212) 510-3600 or technologies-mahwah@nyx.com