

# Information Memo



11 Wall Street  
New York, NY 10005

## Trading Technology

July 7<sup>th</sup>, 2008

**TO:** All Members, Member Organizations and Vendors Interfacing with the Common Message Switch (CMS) or Common Customer Gateway (CCG)

**SUBJECT:** NYSE Alternext U.S. (NYSE/Amex Integration) – Trading Systems Update

Route To: **Technology and Operations Officers**

At the closing of the merger between NYSE Euronext and the American Stock Exchange, the name of the American Stock Exchange will be changed to NYSE Alternext U.S. On a specified date following that closing, trading in NYSE Alternext listed securities will be migrated to 11 Wall Street and integrated onto the NYSE Trading Platform. NYSE Alternext U.S. trades and quotes will be disseminated with the market center Participant ID "A" in the consolidated Market Data streams, since NYSE Alternext U.S. and NYSE will continue to be separate registered securities exchanges. Member Firms are being advised in advance so that they can prepare for these changes.

### Integration Plan

The initial phase will involve moving all Amex Equities to the NYSE Trading Platform. Amex Structured Products and ETFs will remain on the Amex Trading Platform (AEMI) for a limited period of time until they are delisted from Amex and migrated to the NYSE ARCA Trading Platform at a later point in time.

Amex Product Names	Target Implementation Dates	Comments
Amex Equities	September 15, 2008	A future notification will be provided regarding the detailed testing dates, currently targeted in August.
Amex Structured Products & ETFs	Beginning of 4 <sup>th</sup> qtr 2008	Phased-in approach - once delisted from Amex, they will list and be traded on NYSE ARCA Trading platform.
Amex Options <sup>(1)</sup>	Targeted for 1 <sup>st</sup> qtr 2009	Will trade on an instance of the NYSE ARCA Options.
Amex Bonds <sup>(1)</sup>	TBD	Will trade on an instance of the NYSE ARCA Bonds.

<sup>(1)</sup> The disposition of the Amex Bond and Option products will be addressed in a separate notice.

## **Current Amex Connectivity**

### **FCS Protocol**

Today, the Common Message Switch (CMS) provides firms the ability to route orders, cancels and cancel with replacement messages for Amex securities to the Amex Trading Platform in FCS protocol. The NYSE's newly introduced Common Customer Gateway (CCG) does not support FCS protocol routing to the Amex.

### **FIX Protocol**

Today, firms using the FIX protocol route their Amex message traffic via a direct Amex connection to the Amex Trading Platform (AEMI). CMS and CCG currently do not support FIX protocol to the Amex Trading Platform.

## **Connectivity for Initial Phase - NYSE Alternext Equities**

### **CMS Connectivity**

CMS will continue to provide firms the ability to route orders, cancels and cancel with replacement messages for NYSE Alternext Equities to the NYSE Trading Platform in FCS protocol while CMS is still supported.

CMS will also support NYSE FIX 4.2 messages, although it is strongly recommended that firms using FIX protocol connect to CCG, as the NYSE is currently in the process of migrating all firms to CCG. There are some differences between NYSE FIX 4.2 protocol and Amex FIX protocol which will be identified and documented in a future publication.

In both FCS and FIX protocols, CMS will support the Amex exchange code on messages and convert to an NYSE exchange code for NYSE Alternext Equities, although it is recommended that firms begin sending the NYSE exchange code.

In FIX protocol, CMS will return an NYSE exchange code on all activities against NYSE Alternext Equity orders.

During this initial phase, CMS will continue to support message routing for Amex Structured Products/ETFs to the Amex Trading Platform in FCS protocol only. FCS Firms that provide an exchange code on their messages, must use the Amex exchange code for routing Amex Structured Products/ETFs to the Amex Trading Platform, else CMS will reject.

### **CCG Connectivity**

CCG will provide firms the ability to route orders, cancels and cancel with replacement messages for NYSE Alternext Equities to the NYSE Trading Platform in NYSE FIX 4.2 protocol only. There are some differences between NYSE FIX 4.2 protocol and Amex FIX protocol which will be identified and documented in a future publication.

CCG will support the Amex exchange code on messages and convert to an NYSE exchange code for NYSE Alternext Equities, although it is recommended that firms begin sending the NYSE exchange code.

CCG will return an NYSE exchange code on all activities against NYSE Alternext Equity orders.

CCG will not support message routing for Amex Structured Products/ETFs to the Amex Trading Platform (AEMI).

## Connectivity for Amex Structured Products/ETFs Migration to NYSE ARCA

### CMS Connectivity

CMS will be enhanced to support the message routing of Amex Structured Products/ETFs to the NYSE ARCA Trading Platform.

CMS will also support NYSE FIX 4.2 messages, although it is strongly recommended that firms using FIX protocol connect to CCG, as the NYSE is currently in the process of migrating all firms to CCG.

In both FCS and FIX protocols, CMS will support the Amex exchange code on messages and convert to an ARCA exchange code for Amex Structured Products/ETFs being routed to the NYSE ARCA Trading Platform, although it is recommended that firms begin sending the ARCA exchange code.

In FIX protocol only, CMS will return an ARCA exchange code on activities against Amex Structured Products/ETFs traded on the NYSE ARCA Trading Platform.

### CCG Connectivity

CCG will be enhanced to support the message routing for Amex Structured Products/ETFs to the NYSE ARCA Trading Platform.

CCG will support the Amex exchange code on messages and convert to an ARCA exchange code for Amex Structured Products/ETFs, although it is recommended that firms begin sending the ARCA exchange code.

CCG will return an ARCA exchange code on activities against Amex Structured Products/ETFs traded on the NYSE ARCA Trading Platform.

## Member Firm Considerations

- Rollout for all Amex Equities will be migrated the same day.
- Any open Amex GTC orders will be cancelled prior to implementation.
- Member Firms will need to establish a connection into the NYSE Exchange (CMS or CCG), if they don't already have one, in order to trade NYSE Alternext Equities.
- When establishing a new connection, firms may request to use their existing firm mnemonics, but under certain conditions, firms may need to establish new firm mnemonics. Firms will be contacted by their relationship manager to review their current connectivity and mnemonic configurations and present their options going forward.
- Existing Amex FCS firms can continue to route their Amex traffic via CMS.
- Existing Amex FIX firms that wish to continue using the FIX Protocol are required to migrate directly to CCG in order to trade NYSE Alternext Equities.
  - Activities against NYSE Alternext Equities will receive an NYSE exchange code, not Amex.
  - There are some other differences between NYSE 4.2 FIX protocol and Amex FIX protocol which will be detailed in a future publication.

The NYSE Euronext FIX Service Interface Specification and User Guide Version 3.5, dated February 8, 2008 may be obtained by using the following link:  
[http://www.nyse.com/pdfs/fix\\_service\\_spec.pdf](http://www.nyse.com/pdfs/fix_service_spec.pdf)
- Existing Amex FIX firms will continue to use their existing connections for Amex Structured Products/ETFs that have not migrated over to the NYSE ARCA Trading Platform.
  - There will be a migration period where Amex Structured Products/ETFs are removed from the Amex and migrated to ARCA and/or the NYSE.
  - Activities against Amex Structured Products/ETFs will receive an ARCA exchange code when traded on NYSE ARCA Trading Platform.
  - There are some other differences between NYSE 4.2 FIX protocol and Amex FIX protocol which will be detailed in a future publication.
- All NYSE Alternext Equity trades will be reported to Tape B with market center Participant ID "A".
- All NYSE Alternext Equity quotes will be disseminated to the consolidated quotation stream with market center Participant ID "A".

## Post Trade

A companion Post Trade notice has been issued with subject "NYSE Alternext U.S. (NYSE/Amex Integration) – Post Trade Update", dated 7/7/08.

## Summary

If you have any business questions relating to the NYSE Alternext securities integration, please contact your NYSE Relationship Manager or Robert Airo at (212) 656-5663.

For testing arrangements and/or other questions, please contact our **Service Desk at 1-866-873-7422** or **send an email to [support@nyx.com](mailto:support@nyx.com)** - please place "NYSE Alternext" in the subject line. A future notification will be provided regarding the detail dates of the migration and plans for industry testing in August.

For customer support regarding FIX connectivity to CCG, please contact our **Connectivity Helpdesk at 1-888-689-7739** or **send an email to [connectivity@nyx.com](mailto:connectivity@nyx.com)** – please place "NYSE Alternext" in the subject line.