Information Memo

NYSE Trading Technology

TO: ALL MEMBERS, MEMBER ORGANIZATIONS
and Vendors Interfacing with the Common Customer Gateway^{SM} (CCG)

SUBJECT: New Common Customer Gateway^{SM} (CCG) Release 3.0

Route To: **Business Leaders, Technology and Operations Officers, Trading Desks and Order Rooms**

Routing to NYSE e-Broker™ Handheld devices
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Today, all orders intended for the NYSE Broker Handheld (e-Broker™) on the NYSE trading floor must be routed through the Exchange's order management system, NYSE BBSS®. Pending SEC approval, the NYSE will introduce a new service to allow orders to be routed directly to a Brokers wireless handheld device on the Trading Floor. Member Firms and vendors are advised of this new optional service, which will be supported through CCG. The following describes the FIX tag changes necessary to support it.

1. **Routing directly to NYSE e-Broker^{TM} Handheld**

   FIX Tag 143 (Target LocationID) will be redefined to support either a Booth Agency ID (e.g. Z1) or an all numeric Broker Badge number (e.g. 1234) on incoming orders, makes, cancels, cancel to reduce and cancel/replace message types. Any order with a Booth agency ID will continue to be routed to BBSS.

   Account Type (Fix Tag 47) will be a required field on all order and cancel/replace message types. Any order or cancel/replace received without a valid account type shall be rejected back to the order originator, conforming to CCG specification.

   If an order is routed to a Broker who has not yet signed in for the trading day, the order will be automatically rejected back to the order originator with a standard FIX Message 8 reject.

   A Broker also has the option to reject a previously accepted order back to the order originator. In this instance, an unsolicited UR Out (Fix Message Type 8) will be returned to the order originator with the text "Broker Initiated UR Out" in Tag 58 (Text Field).

2. **Features/Functionality not supported**

   The following features/functions will not be supported, as part of the initial implementation of this new service, when routing an order directly to an NYSE e-Broker™ handheld. These features/functions will be considered for a future release.

   a. GTC and GTX orders will **not be accepted** by the NYSE e-Broker™ handheld device.

   b. Partial Round Lot orders - All orders routed directly to an NYSE e-Broker™ must be in round lots.

   The following features/functions will not be supported when routing an order directly to an NYSE e-Broker™ handheld. These features/functions **will not** be considered for a future release.

   c. Verbal or Names later reports – These features will not be supported by the NYSE e-Broker™ handheld device.

   d. Multiple partial cancel and cancel/replace requests - If there is already a pending cancel, cancel to reduce or cancel/replace message, any subsequent cancel or cancel/replace messages will be automatically rejected back to the order originator.

3. **Compliance with NYSE Rules**

   Similar to NYSE BBSS® routed orders, any order routed directly to an NYSE e-Broker™ will be captured into FESC in order to be compliant with NYSE Rules 123 (e) and 123 (f).

4. **Post Trade Reports**
   Similar to NYSE BBSS® routed orders, any order routed directly to an NYSE e-Broker™ will be captured and displayed in your Post Trade merged order logs for record keeping purposes and submitted directly to OCS comparison if subscribed.

5. **Activity ID processing**

<u>Current Activity ID</u>

Currently, the Exchange trading systems provide a 3-part Order Activity ID on all executions, corrections and admin responses returned to firms via CCG. The Activity ID consists of a Group, Reference, and Sequence number with each field allotted 3 numerical values, totaling 9 digits.

<u>Current 9-Digit Activity ID Tags & Formats:</u>

a.   Required Tags
   i. <Tag 17>-ExecID (BBB^NNNN/MMDDYYYY^**GGGRRRSSS**)
   ii. <Tag 19>-ExecRefID (BBB^NNNN/MMDDYYYY^**GGGRRRSSS**), conditionally required
b. Optional Tag
   i. <Tag 9440>-ERCReferenceNumber (**GGGRRRSSS**), reflecting same ActID as populated in Tag 17)

The above tags will continue to be populated with the current Activity ID when CCG 3.0 release is implemented.

Today, there is the potential for activity against a single order to exceed 999 actions (reports, corrections and admin responses). This forces the Activity ID to begin rolling over once the 1,000th action has been processed. Although the reports and other actions are being correctly applied in NYSE Systems and sent to the Member Firm, some firms have experienced difficulty in processing messages with an Activity ID that has already been used earlier in the day and may appear as a duplicate report, correction or admin message.

<u>Expanded Activity ID</u>

The **new Expanded Activity ID** will support up to 99,999 activities against a single order. It provides a 2-part Order Activity ID on all executions, corrections and admin responses returned to the firms via CCG. The Activity ID consists of a Reference and Sequence number with each field allotted 5 numerical values, totaling 10 digits.

<u>Expanded 10-Digit Activity ID Tags & Formats:</u>

c. Required Tags
   i. <Tag 17>-ExecID (BBB^NNNN/MMDDYYYY^RRRRRSSSSS)
   ii. <Tag 19>-ExecRefID (BBB^NNNN/MMDDYYYY^RRRRRSSSSS)
d. Optional Tags
   i. <Tag 9579>-ExpERCReferenceNumber (RRRRRSSSSS), reflecting same Act ID as populated in Tag 17)
   ii. <Tag 9704>-PrevExpERCReferenceNumber (RRRRRSSSSS), reflecting same ActID as populated in Tag 19)

The new expanded activity ID's will be available as part of CCG 3.0 release implementation; however only the optional tags will be present on messages immediately. When firms are ready to support the expanded activity ID in the required tags, please contact the Connectivity Helpdesk at 1-888-689-7739 to activate this service. Before activating this service, firm's drop copy recipient must also be ready to support the expanded activity ID.

<u>Example</u>

	Expanded Activity ID Tag <9579>		Prev Expanded Activity ID Tag <9704>	
Activity	Ref ID	Seq ID	PrevRefID	PrevSeqID
Execution 1	00001	00001		
Cancel Confirm/UROUT	00002	00002		
ERC for Execution 1	00001	00003	00001	00001
2nd ERC for Exec 1	00001	00004	00001	00003
Execution 2	00005	00005		
3rd ERC for Exec 1	00001	00006	00001	00004

<u>Summary</u>

The new Expanded Activity ID's will be present in new optional tags and will be available in required tags on a subscription basis, as part of the CCG 3.0 release implementation.

GTC and GTX orders will **not be accepted** when routing orders directly to the NYSE e-Broker™.

If you have any business questions relating to routing orders directly to an NYSE e-Broker™ handheld, please contact your NYSE Relationship Manager or Valerie Schafer at (212) 656-2516.

For customer support, testing arrangements and/or other questions, please contact our **Connectivity Helpdesk at 1-888-689-7739 or send an email to** connectivity@nyx.com – please place "Routing to e-Broker" in the subject line.