



## EQUITIES TRADING NOTICE

# UPDATE - TSX ALPHA EXCHANGE IMPLEMENTATION DETAILS

This notice is to provide TSX Alpha Exchange (“Alpha”) members implementation details related to the planned changes to the Alpha trading model previously announced in Notice # 2014-031 published November 6, 2014 and outlined in the TMX news release [TMX Group to Streamline its Equities Trading Offering](#). These changes proposed in this notice remain subject to the required regulatory approval.

### Scope:

1. Launch of new revised Alpha including a short order-processing delay (speed bump) / minimum size for post-only / oddlot autofills at NBBO / new hours of operation / migration to Quantum XA platform
2. Decommission IntraSpread facility
3. Decommission TMX Select

### Production Roll-Out

Symbols trading on existing Alpha will be migrated in one phase, tentatively scheduled for Monday, June 1<sup>st</sup>, 2015.

- Friday, May 29<sup>th</sup> - close of business, all open orders on existing Alpha will be purged. IntraSpread will also be decommissioned.
- Friday, May 29<sup>th</sup> - close of business, TMX Select will be decommissioned.
- Saturday, May 30<sup>th</sup> - Connectivity validation
- Monday, June 1<sup>st</sup> - New Alpha opens at 8:00 a.m. with an empty order book with the inclusion of the speed bump, oddlot auto-fills at NBBO, minimum size for post-only and with revised functionality on TMX Quantum XA platform. New orders may be re-entered at this time.

Hours of Operation Effective Monday, June 1<sup>st</sup> on Alpha

TIME	EVENT	DESCRIPTION
7:00 A.M.	PRE-OPEN CANCELLATION	ONLY CANCELS ALLOWED
8:00 A.M.	MARKET OPEN	NO CALCULATED OPENING PRICES OR OPENING TRADES
5:00 P.M.	MARKET CLOSES	
5:35 P.M.	ANONYMOUS TRADE QUERY	

### Connectivity Details

New order entry session bundles are required. Details pertaining to the IP and Port will be disseminated in a subsequent notice. For the purpose of order routing, one session will be required to access all eligible securities.

### Supported Protocol

FIX 4.3

### Production Connectivity Validation

- Production Order Entry sessions will be made available commencing the week of April 24<sup>th</sup>, 2015. This will allow for validation of client internal firewall changes and session authentication in a controlled fashion.
- Test Stocks will be made available for the sole purpose of validating order entry the week of April 24<sup>th</sup>, 2015. Prior to sending any test orders, you will need to contact Market Operations at 416-947-4357. Test stocks will need to be uninhibited. Performance testing will not be allowed.

### Handling of Open Orders

Open orders will be purged as part of the production migration with batch on Friday, May 29<sup>th</sup>. Re-entering of all order types can be done on Monday, June 1<sup>st</sup> at 8:00 a.m.

### Market Data Feeds

A new multicast group and recovery session will be required as part of the migration. IPs and ports will be disseminated in a subsequent notice. New stream IDs will also be added for the binary feeds.

A summary of functional changes is outlined below in table 1:

#### 1. Summary of Order Entry and Data Feed Specification Changes

Feature	Description	FIX 4.3 Order Entry
Order Processing Delay	Under the new Alpha model, a short order-processing delay or speed bump will be introduced	<p>Outbound messaging only</p> <p>Field Identifier = 7734; XATS only</p> <p>TSX Speedbump</p> <p>= " " [blank] (default); Functionality is off</p>

		= "Y"   Functionality on, message goes through Speedbump = "N"   Functionality on, message does not go through Speedbump
Order Routing to TSX Alpha Exchange	Traders must define the destination exchange when routing to TSX Alpha Exchange only.	Inbound messaging only  Added  ExDestination  The execution destination as defined by the institution when the order is entered.  FieldIdentifier = 100  ExDestination = XATS ; Alpha
Minimum Post Only Size	Post-only orders are not subject to the speed bump. However a minimum order size is stipulated for all post-only orders. The size will be disseminated on the symbol status message	Not Applicable
Pending New Ack Message	TSX Alpha Exchange introduces a Pending New acknowledgement message	Outbound messaging only  (refer to FIX 4.3 Specification)

Feature	Description	Broadcast Feed (ABF)	QRTMD, XMT (AL2, AQL2)
Order Processing Delay	Under the new Alpha model, a short order-processing delay or speed bump will be introduced	Field Identifier = 7734; XATS only  TSX Speedbump  = " " [blank] (default); Functionality is off  = "Y"   Functionality on, message goes through Speedbump  = "N"   Functionality on, message does not go through Speedbump	Not applicable
Order Routing to TSX Alpha Exchange	Traders must define the destination exchange when routing to TSX Alpha Exchange only.	Not applicable	Not applicable
Minimum Post Only Size	Post-only orders are not subject to the speed bump. However a minimum order size is stipulated for all post-only orders. The size will be disseminated on the symbol status message	Added  MinPOQty  The minimum number of board lots	Added  MinPOQty  The minimum number of board

		required for Post Only orders.  FieldIdentifier = 632 ; XATS only  MinQty = Boardlot 1*3Digit; 1-999; no default	lots required for Post Only orders.  FieldIdentifier = 632 ; XATS only  MinQty = Boardlot 1*3Digit; 1-999; no default
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**Gateway Testing Environment (GTE) and Certification**

- The test environment will be available the week of March 23<sup>rd</sup>
- In order to secure new order entry sessions in GTE, please contact TMX Market Operations.
- For those who have already completed application certification in GTE as part of the TMX Select or TSX/TSXV on Quantum XA migrations, nothing further is required. However we strongly recommend clients test Alpha on TMX Quantum XA in the GTE environment

**Documentation**

The current specification documents related to this notice are as follows:

- TSX-FIX 4.3 Specification and BDG Version 4.30*
- Broadcast Feed Specification v6.60*
- Alpha Level 1 QuantumFeed Business Message Specification v1.10*
- Alpha Level 2 QuantumFeed Business Message Specification v1.10*
- QRTMD AL1 Functional Specifications v1.10*
- QRTMD AL2 Functional Specifications v1.10*

These specifications are available through the TMX Equity Markets Documentation Portal at <https://www.tcbdata.com/tmxequitymarkets/login.cfm>

For more information contact TMX Market Operations at (416) 947-4705

