



UPDATE: BATS BZX Exchange Multicast PITCH Update Effective Monday, October 19, 2015

CORRECTIONS HIGHLIGHTED in CH4 Secondary Datacenter Update section further below.

Overview

As the largest exchange in ETF market share and in preparation for continued growth in ETF listings on the BZX Exchange ("BZX"), BATS is adding three matching units (33-35) dedicated to BATS-listed products on BZX. These new matching units will augment the current 32nd matching unit on BZX that is already dedicated to BATS-listed products.

As a result of this update, the BATS Multicast PITCH specification for BZX Exchange will undergo address, unit distribution and symbol distribution updates as follows. No changes will take place to IP addresses or symbol distribution for Units 1 – 31.

Multicast PITCH Address/Unit Distribution **(UPDATES HIGHLIGHTED)**

BZX Exchange Certification

In the BZX Exchange certification environment, 3 new units have been added to the existing last set of multicast distribution addresses.

		174.136.174.80/28	
Unit	IP Port	Real-time MC	Gap Resp. MC
17	32017	224.0.74.238	224.0.74.239
18	32018		
19	32019		
20	32020		
21	32021		
22	32022		
23	32023		
24	32024		
25	32025		
26	32026		
27	32027		
28	32028		
29	32029		
30	32030		
31	32031		
32	32032		
33	32033		
34	32034		
35	32035		

BZX Exchange Production

In the BZX Exchange production environment, **effective October 19, 2015**, the 3 new units will be added to a new set of multicast distribution addresses. Additionally, note that in production the existing **Unit 32 will be relocated to the new multicast distribution addresses that will be dedicated to BATS-listed securities.**

NY5 Primary Datacenter		Gig-Shaped [ZA] 174.136.161.160/28		WAN-Shaped [ZC] 174.136.161.176/28		Gig-Shaped [ZB] 174.136.161.192/28		WAN-Shaped [ZD] 174.136.161.208/28	
Unit	IP Port	Real-time MC	Gap Resp. MC	Real-time MC	Gap Resp. MC	Real-time MC	Gap Resp. MC	Real-time MC	Gap Resp. MC
32	30032	224.0.130.136	224.0.130.152	224.0.130.168	224.0.130.184	233.209.92.136	233.209.92.152	233.209.92.168	233.209.92.184
33	30033								
34	30034								
35	30035								

CH4 Secondary Datacenter Update (CORRECTIONS HIGHLIGHTED)

Units 32 – 35 in the BZX Exchange production CH4 Secondary Datacenter will not be using new multicast IPs. For the CH4 datacenter, they will be added to the existing multicast IP addresses already in use for units 29-32.

CH4 Secondary Datacenter		WAN-Shaped [ZE] 174.136.181.160/28	
Unit	IP Port	Real-timeMC	Gap ResponseMC
29	31029	233.19.3.94	233.19.3.95
30	31030		
31	31031		
32	31032		
33	31033		
34	31034		
35	31035		

Symbol Range Distribution

On the effective date, a BATS test symbol will be allocated to each of the updated units as follows:

Symbol Range	Unit
A – ZBWZ ZBZX – ZTESSZ ZTESTA – ZTSSZ ZTSTA – ZZZZZ	32*
ZBZX	33*
ZTST	34*
ZTEST	35*

*Unit ONLY supports BATS Listed Securities.

More Information

For the latest related technical specification, refer to:

- [BATS US Equity/Options Multicast Depth of Book \(PITCH\) Specification](#)

BATS appreciates your continued business. Please call the BATS Trade Desk or your Director of Sales with any questions regarding this change.

BATS Trade Desk

913.815.7001

tradedesk@bats.com