



FINAL REMINDER: BATS BZX Equities Testing for 32 Matching Engine Upgrade on Saturday, May 12, 2012

Overview

Effective Monday, May 14, 2012, the BATS BZX Exchange trading platform will be migrating from 12 to 32 Matching Engines.

Testing Opportunity

Members will be provided an opportunity to access and test the 32 Matching Engine configuration on the BATS BZX production trading system on **Saturday, May 12, 2012, from 9AM to noon ET**.

- Primary and Secondary data center access will be available.
- Quotes will be disseminated on BATS BZX proprietary data feeds including Multicast PITCH.
- FIX and BOE order entry gateways will be available for connection and submission of orders.

BATS strongly encourages Members using the BATS BZX Exchange Multicast PITCH feed to participate in this test to ensure their readiness.

BOE

BATS Binary Order Entry protocol users, please be advised that the 'MatchingUnit' field value range will increase from 0-12 to 0-32 after the Matching Engine expansion is complete.

Multicast PITCH

BATS BZX production symbol ranges and unit distribution effective May 12, 2012:

Symbol Range Start	Unit		Symbol Range Start	Unit
A	1		M	17
AL	2		MP	18
AV	3		NI	19
BK	4		OX	20
CC	5		PP	21
CO	6		RB	22
DD	7		S	23
DT	8		SJ	24
EN	9		SQ	25
EZ	10		SZ	26
FR	11		TN	27
GM	12		TY	28
HS	13		UQ	29
IO	14		VB	30
IX	15		VW	31
KN	16		XL	32

The following tables describe unit distribution across the BATS BZX Multicast PITCH feed effective May 14, 2012. New IP addresses and ports have been **highlighted**. The Multicast Rendezvous point will not change in production.

Primary Datacenter		Gig-Shaped (ZA)		WAN-Shaped (ZC)	
Unit	IP Port	Real-time MC & (Src) Addr	Gap Response MC & (Src) Addr	Real-time MC & (Src) Addr	Gap Response MC & (Src) Addr
1	30001	224.0.62.2 (208.90.209.241)	224.0.62.3 (208.90.209.241)	224.0.62.14 (208.90.209.217)	224.0.62.15 (208.90.209.217)
2	30002				
3	30003				
4	30004				
5	30005	224.0.62.4 (208.90.209.242)	224.0.62.5 (208.90.209.242)	224.0.62.16 (208.90.209.217)	224.0.62.17 (208.90.209.217)
6	30006				
7	30007				
8	30008				
9	30009	224.0.62.6 (208.90.209.243)	224.0.62.7 (208.90.209.243)	224.0.62.18 (208.90.209.217)	224.0.62.19 (208.90.209.217)
10	30010				
11	30011				
12	30012				
13	30013	224.0.62.8 (208.90.209.244)	224.0.62.9 (208.90.209.244)	224.0.62.20 (208.90.209.217)	224.0.62.21 (208.90.209.217)
14	30014				
15	30015				
16	30016				
17	30017	224.0.62.10 (208.90.209.245)	224.0.62.11 (208.90.209.245)	224.0.62.22 (208.90.209.218)	224.0.62.23 (208.90.209.218)
18	30018				
19	30019				
20	30020				
21	30021	224.0.62.12 (208.90.209.246)	224.0.62.13 (208.90.209.246)	224.0.62.24 (208.90.209.218)	224.0.62.25 (208.90.209.218)
22	30022				
23	30023				
24	30024				
25	30025	224.0.62.30 (208.90.209.247)	224.0.62.31 (208.90.209.247)	224.0.62.26 (208.90.209.218)	224.0.62.27 (208.90.209.218)
26	30026				
27	30027				
28	30028				
29	30029	224.0.62.32 (208.90.209.248)	224.0.62.33 (208.90.209.248)	224.0.62.28 (208.90.209.218)	224.0.62.29 (208.90.209.218)
30	30030				
31	30031				
32	30032				

Secondary Datacenter		Gig-Shaped (ZB)		WAN-Shaped (ZD)	
Unit	IP Port	Real-time MC & (Src) Addr	Gap Response MC & (Src) Addr	Real-time MC & (Src) Addr	Gap Response MC & (Src) Addr
1	31001	224.0.62.64 (208.90.209.113)	224.0.62.65 (208.90.209.113)	224.0.62.76 (208.90.209.89)	224.0.62.77 (208.90.209.89)
2	31002				
3	31003				
4	31004				
5	31005	224.0.62.66 (208.90.209.114)	224.0.62.67 (208.90.209.114)	224.0.62.78 (208.90.209.89)	224.0.62.79 (208.90.209.89)
6	31006				
7	31007				
8	31008				
9	31009	224.0.62.68 (208.90.209.115)	224.0.62.69 (208.90.209.115)	224.0.62.80 (208.90.209.89)	224.0.62.81 (208.90.209.89)
10	31010				
11	31011				
12	31012				
13	31013	224.0.62.70 (208.90.209.116)	224.0.62.71 (208.90.209.116)	224.0.62.82 (208.90.209.89)	224.0.62.83 (208.90.209.89)
14	31014				
15	31015				
16	31016				
17	31017	224.0.62.72 (208.90.209.117)	224.0.62.73 (208.90.209.117)	224.0.62.84 (208.90.209.90)	224.0.62.85 (208.90.209.90)
18	31018				
19	31019				
20	31020				
21	31021	224.0.62.74 (208.90.209.118)	224.0.62.75 (208.90.209.118)	224.0.62.86 (208.90.209.90)	224.0.62.87 (208.90.209.90)
22	31022				
23	31023				
24	31024				
25	31025	224.0.62.92 (208.90.209.119)	224.0.62.93 (208.90.209.119)	224.0.62.88 (208.90.209.90)	224.0.62.89 (208.90.209.90)
26	31026				
27	31027				
28	31028				
29	31029	224.0.62.94 (208.90.209.120)	224.0.62.95 (208.90.209.120)	224.0.62.90 (208.90.209.90)	224.0.62.91 (208.90.209.90)
30	31030				
31	31031				
32	31032				

For More Information

Refer to the appropriate specification:

- [BATS US Equities/Options Multicast PITCH Specification](#)
- [BATS BZX Exchange US Equities BOE Specification](#)

Please contact the BATS Trade Desk or your Director of Sales with any questions. We appreciate your continued support of BATS and look forward to earning more of your business. As always, we are committed to our Members and to Making Markets Better.

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