



**BOX**<sup>SM</sup>  
O P T I O N S

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Informational Circular

IC-2022-34

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**TO:** BOX Options Participants  
**FROM:** BOX Market Operations Center  
**SUBJECT:** Upcoming System Enhancement: Additional Trading Slices and Symbol Redistribution  
**DATE:** November 7, 2022

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This notice is being issued by BOX Options Market LLC ("BOX") to provide preliminary information regarding an upcoming project that will introduce four additional Trading Slices and redistribute all listed symbols over the twelve Trading Slices. This change will impact SAIL Order Entry, SAIL Quote, SAIL Quote Purge, and the High Speed Vendor Feed("HSVF"). The additional trading slices and symbol redistribution is planned for early Q2 2023.

BOX will provide more information and specific dates as the project progresses.

### **Symbol Distribution**

The following table shows the new symbol distribution that will be used when the four additional Trading Slices are added.

Trading Slice	Symbol Name Ranges	
	Beginning Symbol	Ending Symbol
1	A	ARKMZ
2	ARKN	CCJZZ
3	CCK	DKZZZ
4	DL	GOOGF
5	GOOGG	IWMZZ
6	IWN	MEMZZ
7	MEN	NVDRZ
8	NVDS	QQQDZ
9	QQQE	SPGIZ
10	SPH	TETZZ
11	TEU	UPTZZ
12	UPU	ZZZZZ

The following table provides the IP and port combinations for the SAIL Order Entry gateways. New IP and port combinations will be added for the new gateways supporting the additional Trading Slices.

Trading Slice	IP Address	Port number
1	198.235.27.131	21682
2	198.235.27.131	22682
3	198.235.27.131	23682
4	198.235.27.131	24682
5	198.235.27.131	25682
6	198.235.27.131	26682
7	198.235.27.131	27682
8	198.235.27.131	28682
<b>9</b>	<b>198.235.27.131</b>	<b>29682</b>
<b>10</b>	<b>198.235.27.131</b>	<b>30682</b>
<b>11</b>	<b>198.235.27.131</b>	<b>31682</b>
<b>12</b>	<b>198.235.27.131</b>	<b>32682</b>

#### SAIL Quote Purge Gateway IP Addresses and Ports

The following table provides the IP and port combinations for the SAIL Quote Purge gateways. New IP and port combinations will be added for the new gateways supporting the additional Trading Slices.

Trading Slice	IP Address	Port number
1	198.235.27.144	21672
2	198.235.27.144	22672
3	198.235.27.144	23672
4	198.235.27.144	24672
5	198.235.27.144	25672
6	198.235.27.144	26672
7	198.235.27.144	27672
8	198.235.27.144	28672
<b>9</b>	<b>198.235.27.144</b>	<b>29672</b>
<b>10</b>	<b>198.235.27.144</b>	<b>30672</b>
<b>11</b>	<b>198.235.27.144</b>	<b>31672</b>
<b>12</b>	<b>198.235.27.144</b>	<b>32672</b>

#### SAIL Quote Entry Gateway IP Addresses and Ports

The following table provides the IP and port combinations for the SAIL Quote Entry gateways. New IP and port combinations will be added for the new gateways supporting the additional Trading Slices.

Trading Slice	IP Address	Port number
1	198.235.27.131	21652
	198.235.27.131	21662
2	198.235.27.131	22652
	198.235.27.131	22662
3	198.235.27.131	23652
	198.235.27.131	23662
4	198.235.27.131	24652
	198.235.27.131	24662
5	198.235.27.131	25652
	198.235.27.131	25662
6	198.235.27.131	26652
	198.235.27.131	26662
7	198.235.27.131	27652
	198.235.27.131	27662
8	198.235.27.131	28652
	198.235.27.131	28662
<b>9</b>	<b>198.235.27.131</b>	<b>29652</b>
	<b>198.235.27.131</b>	<b>29662</b>
<b>10</b>	<b>198.235.27.131</b>	<b>30652</b>
	<b>198.235.27.131</b>	<b>30662</b>
<b>11</b>	<b>198.235.27.131</b>	<b>31652</b>
	<b>198.235.27.131</b>	<b>31662</b>
<b>12</b>	<b>198.235.27.131</b>	<b>32652</b>
	<b>198.235.27.131</b>	<b>32662</b>

### **HSVF Multicast Addresses and Ports**

The following table provides the multicast IP and port combinations for the HSVF lines. New multicast lines will be added to disseminate market data from the additional Trading Slices.

NY4 PRODUCTION					
LINE	DESCRIPTION	"A" FEED MULTICAST GROUP ADDRESSES	UDP PORT	"B" FEED MULTICAST GROUP ADDRESSES	UDP PORT
11	Top of book	224.0.124.1	21401	224.0.124.49	21404
21	Top of book	224.0.124.2	22401	224.0.124.50	22404
31	Top of book	224.0.124.3	23401	224.0.124.51	23404
41	Top of book	224.0.124.4	24401	224.0.124.52	24404
51	Top of book	224.0.124.5	25401	224.0.124.53	25404
61	Top of book	224.0.124.6	26401	224.0.124.54	26404
71	Top of book	224.0.124.7	27401	224.0.124.55	27404
81	Top of book	224.0.124.8	28401	224.0.124.56	28404
<b>91</b>	<b>Top of book</b>	<b>224.0.124.33</b>	<b>29401</b>	<b>224.0.124.37</b>	<b>29404</b>
<b>A1</b>	<b>Top of book</b>	<b>224.0.124.34</b>	<b>30401</b>	<b>224.0.124.38</b>	<b>30404</b>
<b>B1</b>	<b>Top of book</b>	<b>224.0.124.35</b>	<b>31401</b>	<b>224.0.124.39</b>	<b>31404</b>
<b>C1</b>	<b>Top of book</b>	<b>224.0.124.36</b>	<b>32401</b>	<b>224.0.124.40</b>	<b>32404</b>
11	Top of book (1Gbps)	224.0.124.192	21421	224.0.124.200	21424
21	Top of book (1Gbps)	224.0.124.193	22421	224.0.124.201	22424
31	Top of book (1Gbps)	224.0.124.194	23421	224.0.124.202	23424
41	Top of book (1Gbps)	224.0.124.195	24421	224.0.124.203	24424
51	Top of book (1Gbps)	224.0.124.196	25421	224.0.124.204	25424
61	Top of book (1Gbps)	224.0.124.197	26421	224.0.124.205	26424
71	Top of book (1Gbps)	224.0.124.198	27421	224.0.124.206	27424
81	Top of book (1Gbps)	224.0.124.199	28421	224.0.124.207	28424
<b>91</b>	<b>Top of book (1Gbps)</b>	<b>224.0.124.41</b>	<b>29421</b>	<b>224.0.124.45</b>	<b>29424</b>
<b>A1</b>	<b>Top of book (1Gbps)</b>	<b>224.0.124.42</b>	<b>30421</b>	<b>224.0.124.46</b>	<b>30424</b>
<b>B1</b>	<b>Top of book (1Gbps)</b>	<b>224.0.124.43</b>	<b>31421</b>	<b>224.0.124.47</b>	<b>31424</b>
<b>C1</b>	<b>Top of book (1Gbps)</b>	<b>224.0.124.44</b>	<b>32421</b>	<b>224.0.124.48</b>	<b>32424</b>
15	Market Depth	224.0.124.9	21402	224.0.124.57	21405
25	Market Depth	224.0.124.10	22402	224.0.124.58	22405
35	Market Depth	224.0.124.11	23402	224.0.124.59	23405
45	Market Depth	224.0.124.12	24402	224.0.124.60	24405
55	Market Depth	224.0.124.13	25402	224.0.124.61	25405
65	Market Depth	224.0.124.14	26402	224.0.124.62	26405
75	Market Depth	224.0.124.15	27402	224.0.124.63	27405
85	Market Depth	224.0.124.16	28402	224.0.124.64	28405
<b>95</b>	<b>Market Depth</b>	<b>224.0.124.81</b>	<b>29402</b>	<b>224.0.124.85</b>	<b>29405</b>
<b>A5</b>	<b>Market Depth</b>	<b>224.0.124.82</b>	<b>30402</b>	<b>224.0.124.86</b>	<b>30405</b>
<b>B5</b>	<b>Market Depth</b>	<b>224.0.124.83</b>	<b>31402</b>	<b>224.0.124.87</b>	<b>31405</b>
<b>C5</b>	<b>Market Depth</b>	<b>224.0.124.84</b>	<b>32402</b>	<b>224.0.124.88</b>	<b>32405</b>
1P	PIP only	224.0.124.17	21403	224.0.124.65	21406

NY4 PRODUCTION					
LINE	DESCRIPTION	"A" FEED MULTICAST GROUP ADDRESSES	UDP PORT	"B" FEED MULTICAST GROUP ADDRESSES	UDP PORT
2P	PIP only	224.0.124.18	22403	224.0.124.66	22406
3P	PIP only	224.0.124.19	23403	224.0.124.67	23406
4P	PIP only	224.0.124.20	24403	224.0.124.68	24406
5P	PIP only	224.0.124.21	25403	224.0.124.69	25406
6P	PIP only	224.0.124.22	26403	224.0.124.70	26406
7P	PIP only	224.0.124.23	27403	224.0.124.71	27406
8P	PIP only	224.0.124.24	28403	224.0.124.72	28406
<b>9P</b>	<b>PIP only</b>	<b>224.0.124.89</b>	<b>29403</b>	<b>224.0.124.93</b>	<b>29406</b>
<b>AP</b>	<b>PIP only</b>	<b>224.0.124.90</b>	<b>30403</b>	<b>224.0.124.94</b>	<b>30406</b>
<b>BP</b>	<b>PIP only</b>	<b>224.0.124.91</b>	<b>31403</b>	<b>224.0.124.95</b>	<b>31406</b>
<b>CP</b>	<b>PIP only</b>	<b>224.0.124.92</b>	<b>32403</b>	<b>224.0.124.96</b>	<b>32406</b>
1C	Complex Order	224.0.124.25	21407	224.0.124.73	21408
2C	Complex Order	224.0.124.26	22407	224.0.124.74	22408
3C	Complex Order	224.0.124.27	23407	224.0.124.75	23408
4C	Complex Order	224.0.124.28	24407	224.0.124.76	24408
5C	Complex Order	224.0.124.29	25407	224.0.124.77	25408
6C	Complex Order	224.0.124.30	26407	224.0.124.78	26408
7C	Complex Order	224.0.124.31	27407	224.0.124.79	27408
8C	Complex Order	224.0.124.32	28407	224.0.124.80	28408
<b>9C</b>	<b>Complex Order</b>	<b>224.0.124.129</b>	<b>29407</b>	<b>224.0.124.133</b>	<b>29408</b>
<b>AC</b>	<b>Complex Order</b>	<b>224.0.124.130</b>	<b>30407</b>	<b>224.0.124.134</b>	<b>30408</b>
<b>BC</b>	<b>Complex Order</b>	<b>224.0.124.131</b>	<b>31407</b>	<b>224.0.124.135</b>	<b>31408</b>
<b>CC</b>	<b>Complex Order</b>	<b>224.0.124.132</b>	<b>32407</b>	<b>224.0.124.136</b>	<b>32408</b>

### Impact

When the additional Trading Slices are live, all Participants must adjust their systems to route messages according to the new symbol distribution and additional gateways. Participants subscribed to the HSVF must adjust their systems to the new symbol distribution and receive the additional multicast lines.

### Contacts

Please contact the Market Operations Center at (866) 768-8845 or by e-mail at [BOXMOC@boxoptions.com](mailto:BOXMOC@boxoptions.com) should you require additional information.