



July 11, 2011

To: OPRA Multicast Data Recipients

Subject: **Multicast Line Symbol Distribution Modification: Security Symbol & Expiration Month**

Dear OPRA Market Data Recipients:

As previously announced, the implementation of the new OPRA symbol distribution, by Security Symbol and Expiration Month is scheduled for Start of Day Monday, July 25th.

This allows Calls and Puts for the same Security Symbol to be routed on separate lines. **For the new symbol distribution beginning on July 25th, only the Security Symbols AAPL, GLD, and SPY, will have their Calls (Expiration Month Indicators A-L) and Puts (Expiration Month Indicators M-X) routed on separate lines.**

There will be a final verification check out of the new symbol distribution on Saturday, July 23, 2011 from 8:00am-12:00pm (ET) over the production IP groups. The new symbol distribution for the 48 line network is available in Appendix B of the SIAC Output Specification at www.opradata.com.

Testing of the new symbol distribution is available Monday through Friday from 9:45pm to 10:00pm (ET) over the test IP groups. To coordinate testing or participation in the Saturday final verification checkout, please register in the following way:

1. Email your name and number to CQS-CTS-OPRA@siac.com
2. Contact the SIAC Service Desk at 866-873-7422

Indirect Data Recipients must contact their service provider to coordinate testing.

Sincerely,

Michael Collazo
Director
National Market Systems (NMS)
Product Planning & Management

APPENDIX-A

Line	Revised Symbol Distribution Effective: July 25, 2011											
	Security Symbol				Exp Mo	Security Symbol				Exp Mo		
1	A					A	A	A	P	L		L
2	A	A	P	L		M	A	D	H	Z	Z	X
3	A	D	I			A	A	K	L	Z	Z	X
4	A	K	M			A	A	M	Z	Z	Z	X
5	A	N				A	A	X	M	Z	Z	X
6	A	X	N			A	B	G	Z	Z	Z	X
7	B	H				A	B	T	Z	Z	Z	X
8	B	U				A	C	E	Z	Z	Z	X
9	C	F				A	C	M	Z	Z	Z	X
10	C	N				A	C	S	C	Z	Z	X
11	C	S	D			A	D	E	Z	Z	Z	X
12	D	F				A	D	J	Z	Z	Z	X
13	D	K				A	E	E	M	Z	Z	X
14	E	E	N			A	E	U	Q	Z	Z	X
15	E	U	R			A	F	A	Z	Z	Z	X
16	F	B				A	F	T	Z	Z	Z	X
17	F	U				A	G	L	D			L
18	G	L	D			M	G	O	O	Z	Z	X
19	G	O	P			A	H	N	Z	Z	Z	X
20	H	O				A	I	D	Z	Z	Z	X
21	I	E				A	I	W	L	Z	Z	X
22	I	W	M			A	I	W	M	Z	Z	X
23	I	W	N			A	J	N	M	Z	Z	X
24	J	N	N			A	K	L	Z	Z	Z	X
25	K	M				A	L	T	Z	Z	Z	X
26	L	U				A	M	D	Y	Z	Z	X
27	M	D	Z			A	M	N	X	Z	Z	X
28	M	N	Y			A	M	V	Z	Z	Z	X
29	M	W				A	N	E	Z	Z	Z	X
30	N	F				A	N	X	Z	Z	Z	X
31	N	Y				A	P	A	Z	Z	Z	X
32	P	B				A	P	L	Z	Z	Z	X
33	P	M				A	Q	K	Z	Z	Z	X
34	Q	L				A	R	C	Z	Z	Z	X
35	R	D				A	R	U	S	Z	Z	X
36	R	U	T			A	S	H	Z	Z	Z	X
37	S	I				A	S	P	D	Z	Z	X
38	S	P	E			A	S	P	Y			L
39	S	P	Y			M	S	R	R	Z	Z	X
40	S	R	S			A	T	A	Z	Z	Z	X
41	T	B				A	T	M	Z	Z	Z	X
42	T	N				A	T	Z	Z	Z	Z	X
43	U					A	U	X	Z	Z	Z	X
44	U	Y				A	V	S	Z	Z	Z	X
45	V	T				A	W	F	S	Z	Z	X
46	W	F	T			A	X	K	Z	Z	Z	X
47	X	L				A	X	L	S	Z	Z	X
48	X	L	T			A	Z	Z	Z	Z	Z	X

APPENDIX-B

Symbol Distribution Text Description for Lines 1, 2, 17, 18, 38, and 39

Line 1: All symbols 'A' through 'AAPKZ' (Calls and Puts); and Symbol 'AAPL' (Calls only)

- Example: symbol 'AAD' Calls and Puts; symbol 'AAPL' July Calls

Line 2: Symbol 'AAPL' (Puts only), and all symbols 'AAPLA' through 'ADHZZ' (Calls and Puts)

- Example: symbol 'AAPL' August Puts; symbol 'ADB' Calls and Puts

Line 17: All symbols 'FU' through 'GLCZZ' (Calls and Puts), and Symbol 'GLD' (Calls only)

- Example: symbol 'FVT' Calls and Puts; symbol 'GLD' September Calls

Line 18: Symbol 'GLD' (Puts only), and all symbols 'GLDA' through 'GOOZZ' (Calls and Puts)

- Example: symbol 'GLD' October Puts; symbol 'GMN' Calls and Puts

Line 38: All symbols 'SPE' through 'SPXZZ' (Calls and Puts); and Symbol 'SPY' (Calls only)

- Example: symbol 'SPK' Calls and Puts; symbol 'SPY' November Calls

Line 39: Symbol 'SPY' (Puts only), and all symbols 'SPYA' through 'SRRZZ' (Calls and Puts)

- Example: symbol 'SPY' December Puts; symbol 'SQU' Calls and Puts