



April 19, 2011

To: OPRA Multicast Data Recipients

Subject: **Multicast Line Symbol Distribution Modification: Security Symbol & Expiration Month -- Update to April 12, 2011 Notice**

Summary

In order to maintain efficient use of multicast line capacity, OPRA symbol distribution is modified periodically. OPRA will begin to employ a new symbol distribution, **by Security Symbol and Expiration Month. To allow addition test time, the new symbol distribution date has been modified to Start of Day Monday, July 25, 2011.**

Modification

The current symbol distribution is based on the first 5 characters of the Security Symbol. The new symbol distribution will include the 6th character, the Expiration Month Put/Call Indicator (see Section 7.14 of the OPRA Data Recipient Interface Specification; http://www.opradata.com/specs/data_recipient_interface.pdf). This will allow Calls and Puts for the same Security Symbol to be routed on separate lines. **For the new distribution beginning on July 25th, only the Security Symbols AAP, GLD, and SPY, will have their Calls (Indicators A-L) and Puts (Indicators M-X) routed on separate lines (see Appendices B and C for enhanced chart/text layout).**

Testing/Questions

Replay files with the new symbol distribution will be available weeknights beginning May 3, 2011. To coordinate testing, **and to provide verbal or written confirmation of testing which is required by all Data Recipients**, please register in one of the following ways:

1. E-mail your name, organization name, phone number, and date of test(s) to:
CQS-CTS-OPRA@siac.com.com, or
2. Contact the 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

Multicast Line
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Revised 48 Line Symbol Distribution Effective May 2, 2011	
A	ADMZZ
ADN	ALLZZ
ALM	APAZZ
APB	AZZZZ
B	BGZZZ
BH	BRCZZ
BRD	CCKZZ
CCL	CMAZZ
CMB	CORZZ
COS	CVSZZ
CVT	DHZZZ
DI	DOAZZ
DOB	EEMZZ
EEN	ESMZZ
ESN	FASZZ
FAT	FSZZZ
FT	GIKZZ
GIL	GPZZZ
GQ	HNZZZ
HO	ICZZZ
ID	IVZZZ
IW	IYSZZ
IYT	JZZZZ
K	LLZZZ
LM	MCDZZ
MCE	MMMZZ
MMN	MSZZZ
MT	NDXZZ
NDY	NVKZZ
NVL	PABZZ
PAC	PIZZZ
PJ	PXBZZ
PXC	QQQZZ
QQR	RRBZZ
RRC	SBUZZ
SBV	SKMZZ
SKN	SPXZZ
SPY	SPYZZ
SPZ	SWJZZ
SWK	TISZZ
TIT	TVZZZ
TW	UPKZZ
UPL	UYLZZ
UYM	VYZZZ
VZ	WLSZZ
WLT	XHZZZ
XI	XLZZZ
XM	ZZZZZ

APPENDIX-B

Line	Revised 48 Line Symbol Distribution											
	Effective: July 25, 2011											
	Security Symbol					Exp Mo	Security Symbol					Exp Mo
1	A					A	A	A	P			L
2	A	A	P			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-C

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

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

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

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

- Example: symbol 'AAP' 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