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June 22, 2009

Dear OPRA Market Data Recipients:

I have attached an updated/revised Symbology Implementation Plan dated June 15, 2009. The Plan reflects testing and implementation details for OPRA and OCC/OSI.

Very truly yours,

Joe Corrigan
Executive Director

JC/km
Attachment

OPRA Symbology Data Recipient Implementation Plan
Revised June 15, 2009
(supersedes any earlier versions)

1. OPRA Enhancements:

- Changes reported in this document affect OPRA Output Lines 1-24.
- New/Modified Fields (Symbology format) for the following messages:
 - Last Sale (Category, a)
 - Quote with Size (Category, k)
 - Open Interest (Category, d)
 - End of Day Summary (Category, f)
- FLEX messages continue to use Category C messages and not the formatted quote or last sale messages. The conventions currently used for Category C messages have been updated to incorporate new symbology.
- The Reserved fields have been removed.
- A new control message (Category H Type N) has been established for line integrity.
- New Output Header (includes 10 byte Sequence #, Milliseconds in Timestamp) for all OPRA messages.
- Fast for Symbology Network (incorporates format and header changes) – FAST packet header will include additional features representing an OPRA FAST version number, packet sequence number and number of messages within a packet.

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2. OPRA Test and Implementation Schedule

Note: for scheduling of replay data please contact William Gutierrez (212-383-4908, wgutierrez@siac.com)

November, 2008 (Complete)

- Began Second Step of OPRA Data Recipient testing which includes the Second Phase (Final) of Symbology (utilizing all 5 characters of the symbol, and discontinuation of Strike Price Code field dissemination in all output message formats), using canned output data (SIAC replay file)

July, 2009

- All Participants populate the new Expiration Date field in all messages with actual date (not zeroes).

August, 2009

- Availability of exchange data captured for replay

September 12, 2009

- OPRA support of OSI Scripted Industry Testing: Beta Test

October 10, 2009

- OPRA support of OSI Scripted Industry Test: Phase I Conversion

November 14, 2009

- OPRA support of OSI Scripted Industry Test: Phase II Consolidation

December 12, 2009

- OPRA support of OSI Scripted Industry Test: Phase I Conversion

January, 2010

- OPRA support of OSI Scripted Industry Test: Phase II Consolidation – January 9th
- Complete Second Step of OPRA Data Recipient testing which includes the Second Phase (Final) of Symbology (utilizing all 5 characters of the symbol, and discontinuation of Strike Price Code dissemination, filling the field with a space) in all output message formats, using exchange generated data (SIAC replay file). – January 29th

February, 2010

- OPRA Strike Price Code dissemination discontinued; support for 5 character root symbol – February 12th
- OPRA support of OSI Consolidation: Flex options with Open Interest – February 26th

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OPRA Test and Implementation Schedule, continued

March 12, 2010

- OPRA support of Symbol Consolidation: initial group of options associated with strategic group of underlyings including adjusted and non-standard symbols

April 9, 2010

- OPRA support of Symbol Consolidation: all options associated with letter 'A' underlyings including adjusted and non-standard symbols (approximately 250)

April 23, 2010

- OPRA support of Symbol Consolidation: all options associated with letters 'B-G' underlyings including adjusted and non-standard symbols (approximately 700)

May 7, 2010

- OPRA support of Symbol Consolidation: all options associated with letters 'H-O' underlyings including adjusted and non-standard symbols (approximately 700)

May 14, 2010

- OPRA support of Symbol Consolidation: all options associated with letters 'P-Z' underlyings including adjusted and non-standard symbols (approximately 800)

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3. OSI Testing and Implementation Schedule

http://www.theocc.com/initiatives/symbology/osi_testing.jsp

Note: The below OSI schedule is as of June 9, 2009, please reference OCC's website for the latest schedule.

September 12, 2009

- Begin OSI Scripted Industry Testing: Beta Test

October 10, 2009

- OSI Scripted Industry Test: Phase I Conversion (all equity strike prices converted to decimal format; OPRA Strike Price Code dissemination discontinued)

November 14, 2009

- OSI Scripted Industry Test: Phase II Consolidation (e.g., symbol MSQ will be MFST; OPRA Strike Price Code dissemination discontinued)

December 12, 2009

- OSI Scripted Industry Test: Phase I Conversion (all equity strike prices converted to decimal format; OPRA Strike Price Code dissemination discontinued)

January 9, 2010

- OSI Scripted Industry Test: Phase II Consolidation (e.g., symbol MSQ will be MFST; OPRA Strike Price Code dissemination discontinued)

February 12, 2010

- OSI Conversion: all equity Strike Prices to decimal format. Processing without OPRA Strike Price Code.

February 26, 2010

- OSI Consolidation: Flex options with Open Interest

March 12, 2010

- OSI Consolidation: initial group of options associated with strategic group of underlyings including adjusted and non-standard symbols

April 9, 2010

- OSI Consolidation: all options associated with letter 'A' underlyings including adjusted and non-standard symbols (approximately 250)

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OSI Implementation Schedule, Continued

Note: The below OSI schedule is as of June 9, 2009, please reference OCC's website for the latest schedule.

April 23, 2010

- OSI Consolidation: all options associated with letters 'B-G' underlyings including adjusted and non-standard symbols (approximately 700)

May 7, 2010

- OSI Consolidation: all options associated with letters 'H-O' underlyings including adjusted and non-standard symbols (approximately 700)

May 14, 2010

- OSI Consolidation: all options associated with letters 'P-Z' underlyings including adjusted and non-standard symbols (approximately 800)