



August 3, 2017

TO: OPRA DATA RECIPIENTS

FROM: OPRA, LLC

SUBJECT: NEW INDICATIVE MESSAGE TYPE

What's New:

OPRA is adding a new message type to the OPRA data recipient binary feed to support the reporting of indicative (non-traded) values to be disseminated after the market close.

The new message type will be used with Category "k" and "q" quote messages. The new message type will be "I" for Indicative values. The message will only be utilized after the market close, after 4:15PM Eastern time. The message is to be used as an indication of price only. The message will only apply to single listed exchange proprietary products.

When is it Available:

The new message type will be implemented for release on November 6, 2017.

The new OPRA Output Binary Data Recipient Interface Spec including the new message type description can be found at https://www.opradata.com/specs/opra_output_binary_dr_spec.pdf

Testing:

Test data for the new message type will be available from SIAC beginning August 21, 2017 on weekdays between the hours of 21:00 and 21:15 Eastern. The test data will be transmitted over all the OPRA Playback Test channels. The OPRA playback Test IP Addresses and source addresses are listed on page 32 of the Common IP Multicast spec document.

https://www.opradata.com/specs/opra_common_ip_multicast_distribution_network.pdf

Data Recipients may direct any questions they have on the new indicative type "I" message implementation to opra@cboe.com.

Sincerely,
OPRA, LLC