SIAC Securities Industry Automation Corporation
11 Wall Street, New York, NY 10005

November 1, 2021

To: OPRA Multicast Data Feed Subscribers

Subject: OPRA Global Trading Hours (GTH): **Final Software Test Reminder and Test Plan - November 6, 2021, <mark>6:00 AM to 9:15 AM, ET</mark>**

What You Should Know:

As previously announced, OPRA Global Trading Hours (GTH) will begin new hours of operation on **Sunday, November 21, 2021**.

Final Software Testing:

The OPRA GTH final software test will take place on Saturday, November 6, 2021. OPRA GTH will process and disseminate CBOE input data and Data Subscribers will process multicast data and request retransmissions (if required). **The Parallel Production Phase began on Sunday, September 19, 2021, at 8:15 PM**. The parallel period will run through Friday, November 19, 2021.

<mark>**For the parallel period of October 31 through November 5, 2021, OPRA GTH is publishing multicast data from the Secondary Data Center.   Multicast addresses remain the same.**</mark>

<mark>**OPRA GTH will revert to publishing parallel multicast data from the Primary Data Center on Sunday, November 7, 2021.**</mark>

The OPRA GTH parallel production multicast lines are as follows:

- **Multicast Lines 201, 202, 203, and 204**

OPRA Pillar multicast addressing can be found in Appendix E here.

November 6, 2021 Industry Test:

Time: <mark>**6:00 AM - 9:15 AM, ET**</mark>

OPRA IGN Subscriber Conference Call:
- Access Number: 212-209-9920
- Bridge ID: 81756
- Passcode: 63245

Test Plan:

- The test plan includes all OPRA message types according to the specifications. The test plan can be found on the OPRA Pillar page: www.opraplan.com/pillar, in the "Test Plans" section (***the file will be downloaded***).
- CBOE input will consist of the message types normally generated during OPRA GTH hours.
- **Multicast Subscribers should validate the multicast messages in the test plan and *return the checklist* with your testing results to CTA-OPRA-Support@siac.com.**
- Data Subscribers will process multicast data and request retransmissions (if required).

Parallel Production: (See CBOE GTH FAQ's for further information.)

Parallel data publication is as follows:

- Global Trading Hours (GTH) Multicast Lines:
    - Sunday, 8:15 PM to Monday, 3:00 AM - Line Integrity Messages only (Sunday, September 19, 2021, each business day through Friday, October 8, 2021)
    - Monday, 3:00 AM to 9:15 AM - Line Integrity Messages, Production Symbols, and Test Symbols (Monday, September 20, 2021, each business day through Friday, October 8, 2021)
    - Sunday, 8:15 PM to Monday, 9:15 AM: Line Integrity Messages, Production Symbols and Test Symbols (Sunday, October 10, 2021, through Friday, November 19, 2021)

- Extended Trading Hours Lines: Monday, 3:00 AM to 9:15 AM: Test and Production Symbols (Monday through Friday)

Test Registration:

Each OPRA Data Subscriber participating in the test should register at **CTA-OPRA-Support@siac.com.**

Data Subscribers who receive OPRA from connectivity service providers other than ICE Global Network (IGN) must contact their connectivity service providers to coordinate testing.

Testing Dates:

- **Certification (Cert) System Functional Testing:**
    - Began: Monday July 19, 2021 @ 8:15 PM (with new Session Indicators)
    - Ends: Friday, November 5, 2021

- **Industry Testing:**
    - Functional Testing: Saturday, September 18, 2021
    - Industry Non-Functional Testing: Saturday, October 16, 2021

- **Parallel Production Testing:**
    - Began: Sunday, September 19, 2021 @ 8:15 PM (with new Session Indicators)
        - **DR as Primary**
            - Sunday, October 31, 2021 @ 8:15 PM - Friday, November 5, 2021
    - Ends: Friday, November 19, 2021

- **Production Final SoftwareTest:**
    - Saturday, November 6, 2021

- **Production Confidence Test:**
    - Saturday, November 20, 2021

- **Activation Date:**
    - **Sunday, November 21, 2021**

For OPRA Technical Inquiries
- For OPRA technical questions, please send an email to CTA-OPRA-Support@siac.com
- Multicast Data Feed Subscribers can also contact the SIAC NMS Product Management Desk at 212-656-8177, Option 2. If support team members are engaged with other customers, please leave a detailed voice message stating the purpose of your call, which will produce a ticket of your message to the support team.