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

October 7, 2021

To: OPRA Multicast Data Feed Subscribers

Subject: OPRA Global Trading Hours (GTH): **Industry Non-Functional Test Reminder and Test Plan -
             October 16, 2021, ==6:00 AM to 9:15 AM, ET==**

What You Should Know:

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

Industry Non-Functional Testing:

The GTH Industry non-functional test will take place on Saturday, October 16, 2021. OPRA 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.

October 16, 2021 Industry Test:

Time: ==6:00 AM - 9:15 AM, ET==

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

Test Plan:

- The test plan will exercise various type of failures and recoveries, including site failover. 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 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)

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.

<u>**Test Registration:**</u>

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.

<u>**Testing Dates:**</u>

- **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**

<u>**For OPRA Technical Inquiries**</u>
- 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.