April 14, 2021

TO: OPRA Multicast Data Subscribers

SUBJECT: Legacy OPRA Failover Testing to Secondary Data Center: Saturday, May 1, 2021

Reminder

Failover Testing:

As previously announced, SIAC will be conducting legacy system failover testing with the OPRA exchanges on Saturday, May 1, 2021, from 9:00 am - 11:00 am ET. All OPRA multicast Data Subscribers are invited to participate.

2021 SIP Failover and MWCB Test Schedule

• Sat 5/1/21: SIP Failover / MWCB Level 1/2 Test #1
• Sat 8/21/21: SIP Failover / MWCB Level 1/2 Test #2
• Sat 9/11/21: MWCB Level 1/2 and 3
• Sat 12/4/21: SIP Failover / MWCB Level 1/2 Test #3

Failover Test Details:

The failover to the secondary data center can occur at any time during the 9:00 am - 11:00 am ET time window, to simulate an unexpected real-time event requiring a failover. Participating exchanges will continue to generate test data which will be disseminated over the production multicast lines sourced from the secondary data center.

The test plan will be provided in a separate notice.
Upon failover to the secondary data center OPRA Data Subscribers will see:

<table>
<thead>
<tr>
<th>OPRA Failover Messaging Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category H, Type K, Reset Multicast Line Sequence Number Control messages (3x)</td>
</tr>
<tr>
<td>Category H, Type P, Disaster Recovery Data Center Activation Control messages</td>
</tr>
<tr>
<td>Zero quotes for all securities</td>
</tr>
<tr>
<td>OPRA trades and quotes after the exchanges fail over</td>
</tr>
</tbody>
</table>

**Testing Coordination:**

To coordinate testing and to provide oral or written confirmation of testing (as required of all Data Subscribers), please register as follows:

- E-mail your name, organization name, phone number to: 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.*

**Documentation:**

Please reference the latest OPRA Output Multicast Specifications which may be obtained from www.opraplan.com.