

## **Rundown of Orion Market Data Platform (OMD) Emergency Drill on 17 January 2015**

**For OMD-C and MMDH Vendors and End-Users:**

<b>17 January 2015 (Saturday)</b>	
<b>Time (HKT)</b>	<b>Activities</b>
8:00 am	System Ready <ul style="list-style-type: none"> <li>- <b>OMD-C</b> Clients to connect to OMD-C servers on Primary Site to receive messages from multicast channels (both real time and refresh channels).</li> <li>- <b>OMD-C</b> Clients to connect to OMD-C retransmission server on Primary Site</li> <li>- <b>MMDH</b> Clients to connect to MMDH servers on Primary Site to receive messages</li> </ul>
9:00 am – 9:30 am	Pre-opening Session
9:30 am - 12:00 noon	Continuous Trading Session
About 9:45am	Simulation of site failure and site failover to the Secondary (DR) site <ul style="list-style-type: none"> <li>- <b>OMD-C</b> failover from Primary Site to Secondary (DR) Site starts</li> <li>- <b>OMD-C</b> Clients may execute their own contingency arrangement upon auto detection of OMD-C site failover</li> </ul> <i>[HKEx will notify OMD-C clients of the site failure and the site failover decision of HKEx]</i> <ul style="list-style-type: none"> <li>- <b>MMDH</b> will be shut down in order to make connection to the OMD-C and MMDH servers located on Secondary (DR) Site</li> <li>- <b>MMDH</b> Clients will be disconnected temporarily</li> </ul> <i>[HKEx will notify MMDH clients of the incident and advise clients to stay alert to HKEx's announcement on service resumption]</i>
10:15am	System located on the Secondary (DR) Site ready for connection <ul style="list-style-type: none"> <li>- <b>OMD-C</b> Clients to connect to the OMD-C on Secondary (DR) Site automatically or manually depending on their emergency procedure</li> </ul> <i>[HKEx will notify OMD-C clients of the readiness of OMD-C on Secondary (DR) Site]</i> <ul style="list-style-type: none"> <li>- <b>MMDH</b> will be restarted upon connection to the OMD-C servers on Secondary (DR) Site</li> <li>- <b>MMDH</b> Clients to reestablish connection to the MMDH Secondary (DR) Site</li> </ul> <i>[HKEx will announce service resumption of MMDH and advice clients to reconnect to MMDH servers.]</i>
11:00am – 11:45am	Simulation of Intraday Restart on Secondary (DR) Site <ul style="list-style-type: none"> <li>- <b>OMD-C</b> Clients will experience message gap during Intraday Restart</li> <li>- <b>OMD-C</b> Clients to recover the loss data by refresh service after OMD-C is restarted</li> <li>- <b>MMDH Clients</b> will be disconnected temporarily</li> <li>- <b>MMDH Clients</b> to reestablish connection to the MMDH Secondary (DR) Site after OMD-C is restarted</li> </ul> <i>[HKEx will announce service resumption of MMDH and advice clients to reconnect to MMDH servers.]</i>
12:05 pm	Day Close <ul style="list-style-type: none"> <li>- System will start to switch back from Secondary (DR) Site to Primary Site thereupon MMDH will be shut down to reconnect to the OMD-C on Primary Site and thus MMDH will be disconnected temporarily</li> </ul>
<b>Time (HKT)</b>	<b>Connectivity Test for the Primary Site</b>
1:00 pm	System ready for the connection (Primary Site) <ul style="list-style-type: none"> <li>- <b>OMD-C</b> Clients to establish connection to the OMD-C Primary Site</li> <li>- <b>MMDH</b> Clients to establish connection to the MMDH Primary Site</li> </ul>
1:30 pm	System Shutdown
Before 6:00 pm	Clients submit Test Result Confirmation Form

**For OMD-D Vendors and End-Users:**

<b>17 January 2015 (Saturday)</b>	
<b>Time (HKT)</b>	<b>Activities</b>
9:00 am – 9:30 am	System Ready <ul style="list-style-type: none"> <li>- <b>OMD-D</b> Clients to connect to OMD-D servers on Primary Site to receive messages from multicast channels (both real time and refresh channels).</li> <li>- <b>OMD-D</b> Clients to connect to OMD-D retransmission server on Primary (DR) Site</li> </ul>
9:30 am - 12:00 noon	Market Open
About 9:45am	Simulation of site failure and site failover to the Secondary (DR) site <ul style="list-style-type: none"> <li>- <b>OMD-D</b> failover from Primary Site to Secondary (DR) Site starts</li> <li>- <b>OMD-D</b> Clients may execute their own contingency arrangement upon auto detection of OMD-D site failover</li> </ul> <i>[HKEx will notify OMD-D clients of the site failure and the site failover decision of HKEx]</i>
10:15am	System located on the Secondary (DR) Site ready for connection <ul style="list-style-type: none"> <li>- <b>OMD-D</b> Clients to connect to the OMD-D on Secondary (DR) Site automatically or manually depending on their emergency procedure</li> </ul> <i>[HKEx will notify OMD-D clients of the readiness of OMD-D on Secondary (DR) Site]</i>
11:00am – 11:45am	Simulation of Intraday Restart on Secondary (DR) Site <ul style="list-style-type: none"> <li>- <b>OMD-D</b> Clients will experience message gap during Intraday Restart</li> <li>- <b>OMD-D</b> Clients to recover the loss data by refresh service after OMD-D is restarted</li> </ul>
12:05 pm	Market Close <ul style="list-style-type: none"> <li>- System will start to switch back from Secondary (DR) Site to Primary Site</li> </ul>
<b>Time (HKT)</b>	<b>Connectivity Test for the Primary Site</b>
1:00 pm	System ready for the connection (Primary Site) <ul style="list-style-type: none"> <li>- <b>OMD-D</b> Clients to establish connection to the OMD-D Primary Site</li> </ul>
1:30 pm	System Shutdown
Before 6:00 pm	Clients submit Test Result Confirmation Form

**Important Notes to Vendors:**

1. For fault reporting, please call our Vendor Support Hotline at **(852) 2211 6558** during the test session / **(852) 9183 8966** out of the test session.
2. Test data will be disseminated from OMD-C, MMDH and OMD-D real-time servers
3. All messages disseminated during the testing period should be treated as non-production data and have to be cleaned up afterwards.