

## **Market Rehearsal (MR) for Network Upgrade for Mainland Market Data Hub (“MMDH”) on 17 September 2022**

### **System: MMDH**

Time (HKT)	Activity	Action – for participating MMDH Clients
<b>Date: 17 September 2022 (Saturday)</b>		
<b>Session One – Network Upgrade Test</b>		
08:00	<b>MMDH is ready for connection in HKEX Shanghai primary data Centre (Primary Data Centre).</b>	<ul style="list-style-type: none"> <li>• Clients to connect to MMDH and receive MMDH messages in Primary Data Centre.</li> </ul>
09:00 – 09:30	Pre-Opening Session	
09:30 – 12:00	Continuous Trading Session	
Anytime between 10:00 and 11:00	<p>MMDH will failover to operation in the HKEX Shanghai secondary data Centre (Secondary Data Centre)</p> <ul style="list-style-type: none"> <li>- MMDH servers in Primary Data Centre will be shutdown</li> </ul> <p><i>[HKEX will notify MMDH clients of the failover process by email and advise clients to stay alert to HKEX’s announcement on MMDH servers’ status.</i></p> <p><i>Emails for MR will all be tagged with “MMDH 的网路设备升级之市场演练 - 2022 年 9 月 17 日” in the email subject.]</i></p>	<ul style="list-style-type: none"> <li>• Clients will be disconnected from MMDH servers in the Primary Data Centre.</li> <li>• Clients please execute their operational arrangement, if needed.</li> </ul>

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Time (HKT)	Activity	Action – for participating MMDH Clients
11:00 – 12:00	<p><b>MMDH</b> will be ready for connection in the Secondary Data Centre</p> <p><i>[HKEX will update the MMDH servers' status by email and advise clients to reconnect to MMDH servers in the Secondary Data Centre]</i></p>	<ul style="list-style-type: none"> <li>• Clients to connect to MMDH in the Secondary Data Centre* and receive MMDH messages in the Secondary Data Centre.</li> </ul>
12:00 – 12:10	Closing Auction Session	<ul style="list-style-type: none"> <li>• Clients to check if MMDH messages can be received and processed normally during this session.</li> </ul>
Upon completion of Matching ~12:10	Day Close	
<b>Session Two – Verification Test for Production Version</b>		
17:30	<b>MMDH</b> is ready for connection in the <b>Secondary Data Centre</b>	<ul style="list-style-type: none"> <li>• Clients to connect to MMDH and receive MMDH messages in the Secondary Data Centre.</li> </ul>
17:30 – 20:00	Continuous Trading Session	
Anytime between 18:30 and 19:00	<p>MMDH will switch-back to operate in the Primary Data Centre</p> <ul style="list-style-type: none"> <li>- MMDH servers in Secondary Data Centre will be shutdown</li> </ul> <p><i>[HKEX will notify MMDH clients of the switch-back process by email and advise clients to stay alert to HKEX's announcement on MMDH servers' status. ]</i></p>	<ul style="list-style-type: none"> <li>• Clients will be disconnected from MMDH servers in the Secondary Data Centre.</li> <li>• Clients please execute their operational arrangement, <i>if needed.</i></li> </ul>

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Time (HKT)	Activity	Action – for participating MMDH Clients
19:00 – 20:00	<p><b>MMDH</b> will be ready for connection in the Primary Data Centre</p> <p><i>[HKEX will update the MMDH servers' status by email and advise clients to reconnect to MMDH servers in the Primary Data Centre]</i></p>	<ul style="list-style-type: none"> <li>• Clients to connect to MMDH in the Primary Data Centre* and receive MMDH messages in the Primary Data Centre.</li> </ul>
20:00	<p>End of Rehearsal</p> <p><b>MMDH</b> will be shut down and Clients will be disconnected.</p>	<ul style="list-style-type: none"> <li>• Clients to check if MMDH messages can be received and processed normally during this session.</li> <li>• Clients to take appropriate actions to clean all test messages disseminated during the rehearsal period.</li> </ul>
<b>Result Confirmation</b>		
By 20:30	Please confirm your test result by completing the <a href="#">online Test Result Confirmation Form</a> .	
<p>*Information on Disaster Recovery can be found in Section 2.2.5.2 of MMDH Interface Specification which is recapped below for your reference:</p> <p>Disaster Recovery “Since sequence numbers between the Primary site and the Secondary site are not guaranteed to be the same, a Refresh may be required. Clients should specify the 'InternalSeqNum' as 0 during their first Logon to the Secondary site and the MMDH system at Secondary site will respond with Restart recovery required or indicate the need for a Refresh. Any subsequent disconnects should continue to use the last seen number the same as for the MMDH Primary.”</p>		

### Important Notes to Clients:

1. For fault reporting, please call our Connectivity Project & Support Hotline at (852) 2211 6558 during the MR.
2. All messages disseminated during the MR should be treated as non-production data and should be cleaned after the MR.
3. In any case, all participating Clients should complete the appropriate day-end works including file / database backup, system restoration / fallback and etc. before, during and / or after the MR.