

香港交易所資訊服務有限公司

(香港交易及結算所有限公司集團全資附屬成員機構)

HKEX INFORMATION SERVICES LIMITED

(A wholly-owned member of the Hong Kong Exchanges and Clearing Limited Group)

18 December 2020  
Our Ref: MDD/20/1053

**By Email**

**To: Direction Connection Data Vendors & End Users of Orion Market Data – Derivatives Market (OMD-D) and Application Service Providers (Collectively “Clients”) and Independent Software Vendors (ISVs)**

**Copy: Indirect Connection Market Data Vendors and End Users of OMD-D**

**Market Rehearsals for 1) Technical Refresh for HKEX Orion Market Data Platform - Derivatives Market (OMD-D); and 2) Application Hardware Upgrade, Backbone Network Upgrade and Relocation of Secondary Data Centre for Derivatives Market Systems**

**1) Technical Refresh for OMD-D**

With reference to our Client Notices issued on 12 June 2020 (Ref: [MDD/20/479](#)), 20 July 2020 (Ref: [MDD/20/586](#)) and 17 September 2020 (Ref: [MDD/20/777](#)) for the Technical Refresh on OMD-D, the market rehearsals will be arranged for 30 January and 6 February 2021.

There are some refinement on the message behavior, as well as a potential performance improvement with a lower and more consistent latency; however, there is no change on the message structure. Clients are reminded to have your system ready before participating the market rehearsal. The participation requirement and details are provided in the section below.

Indirect Connection OMD-D Clients should liaise closely with their feed providing vendors or application service providers for all necessary arrangements to ensure their readiness for the Technical Refresh in OMD-D.

**2) Application Hardware Upgrade, Backbone Network Upgrade and Relocation of Secondary Data Centre (“SDC”) for Derivatives Market Systems (“Upgrade & Relocation”)**

To ensure the robustness and stability of our infrastructure in Derivatives Market Systems (i.e., HKATS, OMD-D, and DCASS), the application hardware and the backbone network will be upgraded. This infrastructure upgrade is transparent to Clients as it will not induce any interface change and impact on the existing connectivity configuration.

In addition, for a better disaster recovery resilience, HKEX plans to relocate the SDC to a newer equipped data centre in order to further improve the reliability of HKEX’s core services. This is only a change of the physical location of HKEX SDC and Clients can connect to the new SDC through the existing connectivity configuration.

### 3) Market Rehearsals

The Market Rehearsal and the rollout for OMD-D Technical Refresh and Upgrade & Relocation of SDC will be held together for Clients to confirm their system readiness for the launch of OMD-D Technical Refresh and verify the connectivity to OMD-D at the new HKEX SDC.

The participation requirement and highlights of the Market Rehearsal are as follows. To participate in the Market Rehearsal 1, please complete the [Online Test Participation Form](#) **on or before 8 January 2021**. The test rundown will be provided to the participating clients by 25 January 2021.

Activity	Schedule	Participation (Direct Connection Clients)	
		OMD-D Data Vendors and Application Service Providers	OMD-D End Users
Market Rehearsal 1 (MR1)	30 January 2021 (Saturday)	<b>Mandatory</b>	Optional
Market Rehearsal 2 (MR2)	6 February 2021 (Saturday)	<b>Mandatory</b> for those Clients who failed the MR1	

Date	Time	Objectives
30 January 2021 and 6 February 2021 (Saturday)	Session 1 – Primary Site (TKO Data Centre) 15:00 to 17:00	<p><u>Volume test and connectivity test to OMD-D via the upgraded application hardware and upgraded backbone network in HKEX Primary Data Center</u></p> <ul style="list-style-type: none"> <li>Verify Clients' system can handle the high data volume through the refresh OMD-D software and hardware in HKEX Primary Data Center during the volume test.</li> <li>Verify the Clients' network connectivity to HKEX Primary Data Centre by simulating the normal daily operations via the upgraded backbone network.</li> </ul>

	<p>Session 2 – Secondary Site (new SDC)  18:00 to 21:30</p>	<p><u>Volume test and connectivity test on OMD-D via upgraded application hardware and backbone network in new HKEX Secondary Data Centre</u></p> <ul style="list-style-type: none"> <li>• Verify Clients' system can handle the high data volume through the refresh OMD-D software and hardware in SDC during the volume test.</li> <li>• Verify the Clients' network connectivity to HKEX SDC by simulating the normal daily operations via the upgraded backbone network.</li> </ul>
<p>31 January 2021 and  7 February 2021 (Sunday)</p>	<p>Fallback Session – Primary Site (TKO Data Centre)  12:00 to 14:00</p>	<p><u>Connectivity test on OMD-D after the fallback of hardware and backbone network in HKEX Primary Data Center</u></p> <ul style="list-style-type: none"> <li>• Verify the network connectivity by simulating the normal daily operations after fallback to the existing hardware and backbone network.</li> </ul>

Subject to the successful completion of the MR, the implementation of Technical Refresh for OMD-D and the Upgrade & Relocation will be rollout together on 6 March 2021 tentatively. Details and arrangement will be further provided.

Should you have any queries, please contact us at (852) 2211 6558 or send your questions to [IVSupport@hkex.com.hk](mailto:IVSupport@hkex.com.hk).

Arthur Yung  
Senior Vice President  
Data Connectivity & Support, Market Data  
Markets Division