

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全資附屬公司)

HKEX INFORMATION SERVICES LIMITED

(A wholly-owned subsidiary of Hong Kong Exchanges and Clearing Limited)

11 December 2020  
Our Ref: MDD/20/1034

**By Email**

**To: Direct Connection Data Vendors & End Users; Application Service Providers; and Independent Software Vendors (ISVs) (Collectively “Clients”)**

**Copy: Indirect Connection Market Data Vendors and End Users**

**Planned Activities / Initiatives In Relation to Market Data Systems for 2021**

Here are the planned activities / initiatives in relation to Market Data Systems<sup>1</sup> for 2021 and the tentative schedules for your planning. This is based on the latest information; the schedule may be changed and also there may be new initiatives introduced to address new market need. Whenever it happens, we will communicate in due course.

**Market Data Service for Securities Market Only (OMD-C & MMDH):**

<b>Tentative Schedule</b>	<b>Planned Activity / Initiative</b>	<b>Details</b>
Jan 2021	Launch of Resilience Enhancement version	<p>This initiative is to enhance the resilience of OMD-C such that under the hardware failure scenario, OMD-C can failover from the primary site to the secondary site automatically. This greatly improves the resilience of OMD-C to provide continuous service.</p> <p>The Post Release Test is scheduled for January 2021. Detailed arrangement will be announced in our client notice.</p>
Q3 / Q4 2021	Operating System (OS) Upgrade	<p>In order to keep the OMD-C robust and stable, the Operating System (OS) of OMD-C servers will be upgraded as a regular maintenance.</p> <p>This OS Upgrade should be transparent to Clients. Nonetheless, optional market rehearsals will be held to allow Clients to verify their systems connecting to OMD-C will run as normal when OMD-C is running on the new OS upgrade.</p> <p>Details of the testing schedule will be provided in the</p>

Tentative Schedule	Planned Activity / Initiative	Details
		second quarter of 2021.

**Market Data Service for Derivatives Market Only (OMD-D):**

Tentative Schedule	Planned Activity / Initiative	Details
Q1 2021	Technical Refresh and Relocation of Secondary Site	<p>In order to keep the IT infrastructure of Market Data Systems robust and stable, a Technical Refresh, including the hardware refreshment, Operating System (OS) upgrade, and software architecture update will be conducted on OMD-D. In addition, HKEX plans to relocate the secondary site of derivatives systems, including OMD-D. These two initiatives will be taken place together in the first quarter of 2021.</p> <p>Market Rehearsals will be arranged for January / February 2021 to allow Clients to verify that their systems connecting to OMD-D will run as normal.</p> <p>Please refer to the Client Notice of <a href="#">MDD/20/777</a> for the latest updates on the Technical Refresh for OMD-D.</p> <p>Details of the Market Rehearsals and relocation of OMD-D secondary site will be provided in due course.</p>
Q1 2021	Enhancements for Volatility Control Mechanism (VCM) and Pre-Market Opening Session (POS)	<p>OMD-D will support the POS and VCM enhancement in Derivatives Market. No interface change and no new messages are required to be introduced in OMD-D.</p> <p>For further information, please refer to the HKFE Circular about Planned Initiatives for HKATS in 2021 (<a href="#">MO/DT/255/20</a>).</p>
Subject to the market readiness and regulatory approval.	Trading Selected Derivatives Products on Hong Kong Public Holiday	<p>HKEX plans to extend trading and clearing services for selected derivatives products during Hong Kong public holidays to facilitate participants conducting trading and risk management during Hong Kong public holidays.</p> <p>With the rollout of this initiative, OMD-D will be brought up to disseminate the real-time price, settlement price and statistics (e.g., open interest and volume) of the selected derivatives contracts.</p> <p>Please refer to the Client Notice of <a href="#">MDD/20/884</a>. Detailed arrangement will be announced in due course.</p>

Tentative Schedule	Planned Activity / Initiative	Details
Q2 / Q3 2021	OMD-D Resilience Enhancement and Introduction of New Matching Engines in HKEX Derivatives Trading System (HKATS)	<p><u>OMD-D Resilience Enhancement</u> Same as OMD-C Resilience Enhancement, resilience of OMD-D will be enhanced to enable the automatic failover from the primary site to the secondary site.</p> <p><u>New Matching Engines in HKATS</u> HKEX plans to install two additional matching engines in the HKATS to prepare and facilitate the introduction new product initiatives as well as diversifying the system concentration risks of flagship products. Accordingly, Clients' connectivity to OMD-D (i.e. the multicast channels) will be updated.</p> <p>These two initiatives will be arranged to take place together. Market Rehearsals are scheduled for the second quarter of 2021.</p> <p>Further details will be provided in the first quarter of 2021.</p>

#### Issuer Information Feed System (IIS)

Tentative Schedule	Planned Activity / Initiative	Details
Q2 2021	Relocation of IIS Secondary Site	<p>Relocation of IIS secondary site is scheduled for the second quarter of 2021.</p> <p>The relocation should be transparent to Clients. Nonetheless, market rehearsals will be arranged to allow Clients to verify that their systems connecting to IIS will run as normal when IIS is operating at the secondary site.</p> <p>Detailed arrangement will be provided in the first quarter of 2021.</p>

## All Market Data Systems

Tentative Schedule	Planned Activity / Initiative	Details
Q2 / Q3 2021	Site Failover Rehearsal	<p>The regular Site Failover Rehearsal will be arranged to allow Clients to practise their contingency procedures for site failover of all HKEX's systems, including market data systems. The Rehearsal will also cover the site failover of the trading and clearing systems of HKEX.</p> <p>The schedule and test details of Site Failover Rehearsal will be provided in the second quarter of 2021.</p>

<sup>1</sup> Market Data Systems include (1) HKEX Orion Market Data Platform (OMD) - Securities Market and Index Datafeed Products (OMD-C), (2) OMD – Derivatives Market Datafeed Products (OMD-D), (3) OMD – China Connect (OMD-CC), (4) Mainland Market Data Hub (MMDH) and (5) Issuer Information Feed System (IIS)

In addition, HKEX will regularly conduct a capacity review on its datafeed products to ensure the delivery of quality service to Clients. If it is found necessary to increase the bandwidth requirement of datafeed products, two to three months advance notice will be given to Clients.

We would also like to take this chance to express our sincere gratitude to all clients on your continuous support to our initiatives.

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

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