

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)

14 May 2020

Our Ref: MDD/20/409

By Email

To: Direct Connection Derivatives Market Data Vendors, End Users and Application Service Providers (Collectively “Clients”)

Copy: Indirect Connection Derivatives Market Data Vendors, End Users; and Independent Software Vendors (ISVs)

Increase of Minimum Bandwidth Requirement for HKEX Orion Market Data Platform – Derivatives Market (OMD-D) Fulltick Datafeed

To ensure the quality of Orion Market Data Platform (OMD), HKEX conducts regular capacity review on its datafeed products. In response to the latest increase of transaction activities in the derivatives market, the minimum bandwidth requirements of the OMD Derivatives FullTick (DF) will be adjusted as per the table below:

OMD-D Datafeed	Current Bandwidth (Mbps)			New Required Bandwidth (Mbps)		
	Non SOM*	SOM*	Total*	Non SOM*	SOM*	Total*
Derivatives FullTick (DF)	25	35	60	45	No Change	80

* Bandwidth includes both multicast and unicast

Note: the bandwidth requirements of Derivatives Premium (DP), Derivatives Standard (DS) and Derivatives Lite (D-Lite) remain unchanged.

The updated OMD-D Connectivity Guide (version 1.14) with the new bandwidth requirement is enclosed herewith for your reference. **All DF Direct Connection Clients** should review the subscribed bandwidth and the allocation between multicast and unicast of their existing SDNet/2 or Hosting Services Network (HSN) circuit set(s) for accessing the datafeed(s). **If the change of network bandwidth or configuration is required, Clients should schedule with their network carrier to be ready on or before 13 June 2020.**

As the increase of bandwidth may result in a lower latency and a higher data throughput, **DF Direct Connection Clients** should also review the capacity of their systems, applications and downstream networks of handling the increased data throughput and make the necessary adjustment, if required. In addition, Clients using OMD-D applications provided by ISVs should consult their ISVs on the system capacity and liaise with them for the system upgrade if necessary.

A Connectivity Session with volume test will be arranged for Clients to verify that their systems have sufficient capacity to handle the increased data volume and declare their readiness. Please find below the schedule for the upcoming activities.

Activity	Schedule	Remarks
Provision of Canned Data	By end of May 2020	<p>A set of canned data will be provided to Clients and ISVs to stress their systems with increased data throughput by setting the speed as 3X in the offline simulation tool</p> <p>The data set will be distributed to Clients and ISVs who have completed the Online Request Form via this link by 22 May 2020</p>
Submission of OMD Connection Notification Form	On or before 31 May 2020	<p>Direct Connection Client, who is planning / required to upgrade the bandwidth of their OMD-D connections, should inform HKEX of their plan by submitting the OMD Connection Notification Form to HKEX</p> <p>Client should also liaise with the network carrier for the bandwidth increase or reconfiguration (i.e. place bandwidth upgrade / reconfiguration of bandwidth allocation between multicast and unicast order to the network carrier)</p>
Upgrade / Reconfigure the Bandwidth of OMD-D Production Connections	On or before 13 June 2020	<p>DF Direct Connection Client should make sure the bandwidth of their OMD-D production connections are sufficient enough for the new bandwidth requirement before joining the Connectivity Session</p>
Connectivity Session (CS) with Volume Test	20 June 2020	<p>Mandatory to all DF Direct Connection Clients Optional to DP, DS and D-Lite Direct Connection Clients</p> <p>To confirm your participation in CS, please complete the Online Test Participation Form via this link on or before 12 June 2020 (Friday)</p> <p>Test details will be provided to participating clients by 15 June 2020</p>
Effective of New Bandwidth Requirement	27 June 2020	<p>Clients should maintain their system setting for new bandwidth requirement after the CS on 20 June 2020</p>

Indirect Connection Clients are advised to work closely with their feed providing vendor or ASP to identify if there are needs for system or network upgrade to cater for the bandwidth upgrade and ensure their readiness before the increased bandwidths takes effect.

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

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Enclosure: OMD-D Connectivity Guide version 1.14