HKEX
香港交易所

2 August 2021   **By Email**
Our Ref: MDD/21/617

To: Data Vendors & End Users of Orion Market Data – Securities Market (OMD-C) and Application Service Providers (Collectively "Clients")

Copy: Indirect Connection Market Data Vendors and End Users of OMD-C; and Independent Software Vendors (ISVs)

Increase the Minimum Bandwidth Requirement for HKEX Orion Market Data Platform – Securities Market (OMD-C) Premium Datafeed

To ensure the quality of Orion Market Data Platform (OMD) can be maintained, the minimum bandwidth requirement of the OMD Securities Premium (SP) will be adjusted as per the table below:

OMD-C Datafeed	Current Bandwidth (Mbps)			New Required Bandwidth (Mbps)		
	Multicast	Unicast	Total	Multicast	Unicast	Total
Securities Premium (SP)	28	0.2	**28.2**	**41**	0.2 (no change)	**41.2**

Note: The bandwidth requirements of Securities Standard (SS) and Securities FullTick (SF) remain unchanged.

The updated OMD-C Connectivity Guide (version 2.4) with the new bandwidth requirement is enclosed herewith for your reference. **All SP Direct Connection Clients** are required to review the subscribed bandwidth and the allocation between multicast and unicast of their existing SDNet/2 and/or Hosting Services Network (HSN) circuit set(s) for accessing the datafeed(s). **If the change of network bandwidth or reconfiguration is required, Clients should schedule with their network carrier to get ready on or before 6 November 2021**.

Potential Impact and Testing Facilities

As the increase of bandwidth may result in a lower latency and a higher data throughput, **SP Direct Connection Clients** should also review the capacity of their systems, downstream applications and networks to handle the increased data throughput and make the necessary adjustment, if required. As Clients connecting to OMD-C SP by HSN or already have sufficient network bandwidth will also experience the higher throughput, **the Connectivity Session will be mandatory to all SP Direct Connection Clients**. In addition, Clients using OMD-C applications provided by ISVs should consult with their ISVs on the system capacity and liaise with them for the system upgrade, if necessary.

香港交易及結算所有限公司
香港中環康樂廣場8號交易廣場2期8樓
Hong Kong Exchanges and Clearing Limited
8/F, Two Exchange Square, 8 Connaught Place, Central, Hong Kong

info@hkex.com.hk
(t) +852 2522 1122   (f) +852 2295 3106
hkexgroup.com | hkex.com.hk

Canned data and a Connectivity Session with volume test will be arranged for Clients to verify their systems have sufficient capacity to handle the increased data volume and declare their readiness.

Implementation Schedule

Activity	Schedule	Details
Provision of Offline Simulation Tool and Canned Data	End August 2021	A set of canned data will be provided to Clients and ISVs to test their systems with increased data throughput by using the offline simulation tool. The data set will be distributed to Clients and ISVs who have completed the Online Request Form **by 20 August 2021.**
Submission of OMD Connection Notification Form (Production)	On or before 31 August 2021	Direct Connection Client, who is planning / required to upgrade the bandwidth of their OMD-C connections, should inform HKEX of their network change arrangement by submitting the OMD Connection Notification Form (Production) to HKEX. Client should also directly contact the network carrier for the network change **(i.e. arrange bandwidth upgrade / reconfiguration of bandwidth allocation between multicast and unicast order to the network carrier).**
Submission of Impact Assessment and Readiness Declaration	On or before 15 October 2021	**Mandatory to all SP Direct Connection Clients** Clients should submit the impact and readiness declaration on or before 15 October 2021. The form will be provided in mid-September.
Upgrade / Reconfigure the Bandwidth of OMD-C Production Connections	On or before 6 November 2021	**SP Direct Connection Client** should make sure the bandwidth of their OMD-C production connections are sufficient for the new bandwidth requirement before joining the Connectivity Session.

Connectivity Session (CS) with Volume Test	13 November 2021	**Mandatory to all SP Direct Connection Clients (including clients using HSN to test the increased throughput)** SS and SF Direct Connection Clients are not required to join the CS To confirm your participation in CS, please complete the Online Test Participation Form on or before 29 October 2021 (Friday). Test details will be provided to participating clients by 8 November 2021.
Effective of New Bandwidth Requirement	Late November / Early December 2021	The rollout date will be announced upon the successful completion of the Connectivity Session.

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.

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

Enclosure: OMD-C Connectivity Guide version 2.4