

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)

3 May, 2018
Our Ref: MDD/18/1203

By Email

To: Direct Connection Securities Market Data Vendors, End Users and Application Service Providers (Collectively “Clients”); and All Independent Software Vendors (ISVs)

Copy: Indirect Connection Securities Market Data Vendors and End Users

Dear Sirs,

Upcoming changes of HKEX Orion Market Data Platform – Securities Market (OMD-C): (A) Operating System (OS) Upgrade; and (B) Bandwidth Increase for Securities Standard (SS) and Securities FullTick (SF) Datafeed

Our notice of 18 December 2017 (Our Ref: [MDD/17/1588](#)) regarding the Planned Activities to Market Data Systems for 2018 refers please. We would like to inform you of the following upcoming changes to OMD-C to be conducted in the second half of 2018.

We would like to inform you that the Operating System (OS) Upgrade and the Bandwidth Increase for OMD-C, including the Mainland Market Data Hub (MMDH), will share the same implementation schedule and target to complete in late August / early September this year. Please find below the tentative schedule for the main implementation activities.

Activity	Tentative Schedule
Market Rehearsal	11 August 2018
Post Release Test	Late August / Early September 2018

All Direct Connection Clients should participate in the Market Rehearsal (MR) and the Post Release Test (PRT) to ensure that their systems connecting to OMD-C or MMDH will run as normal after the upgrade of the OS of OMD-C / MMDH and the increase of data volume after the increase of the bandwidth.

The OS Upgrade should be transparent to Clients but Clients should pay close attention to the change of the minimum bandwidth requirements as set out below and prepare for the change.

Change of Minimum Bandwidth Requirements for OMD-C Datafeeds

In response to the increase of data volume over the past months, the minimum bandwidth requirements of the OMD-C datafeed products will be adjusted as per the table below:

OMD-C Datafeed	Minimum Bandwidth Requirement (Mbps)	
	Current	After Change
Securities Standard (SS), including MMDH	10	16
Securities Premium (SP)	30	30, Unchanged
Securities FullTick (SF)	30	60

All SS and SF Direct Connection Clients should review the subscribed bandwidth of their existing SDNet/2 or Hosting Services Network (HSN) circuit set(s) for accessing the datafeed(s) and prepare for the bandwidth increase, if needed. **MMDH Clients** should also review, and increase if needed, the bandwidth of their connection paths to the MMDH data points in Shanghai. As the increase of bandwidth will result in higher data throughput when the market is active, Clients should also review the capacity of their systems, applications and downstream networks of handling the increased data throughput and make necessary adjustment, if required. Clients using OMD-C applications provided by ISVs should consult their ISVs on the system capacity and liaise with them for the system upgrade if necessary.

In view of the increased data throughput of SS and SF after the bandwidth increase, **all SS and SF Direct Connection Clients are required to participate in the MR scheduled for 11 August 2018** to verify that their systems have sufficient capacity to handle the increased data volume and declare their readiness.

The following testing facilities will be provided to SS and SF Direct Connection Clients as per the tentative schedule below to facilitate their testing on their applications and networks for the increased bandwidth and data throughput before MR.

Testing Facility	Tentative Schedule	Remarks
Provision of Canned Data	May 2018	A set of canned data will be provided to Clients and ISVs to stress their systems with increased data throughput. The data set will be distributed to Clients and ISVs who have completed the Online Request Form via this link by 11 May 2018 .
Connectivity Sessions	21 July 2018	Three Connectivity Sessions with volume test will be arranged to enable Clients to test their systems and production circuits with increased bandwidths. All SS and SF Direct Connection Clients are required to join at least one of the Connectivity Sessions.
	28 July 2018	
	4 August 2018	

Clients requiring to increase the bandwidths of their production circuits - Please take the following actions before joining the Connectivity Session

1. Inform HKEX-IS of your line upgrade plan by completing the online form via [this link](#) by 18 May 2018 (Friday).
2. Request for the canned data set by completing the Online Request Form via [this link](#) on or before 11 May 2018 (Friday) and use it to conduct the offline simulation test

3. Complete the OMD Production Connection Notification Form (as per enclosure 2) with required details and place order to your selected network provider (a SDNet/2 Provider or the HKEX Hosting Services Team) to have your production lines upgraded before the Connectivity Session that you will join. Please also send a copy of your completed OMD Production Connection Notification Form to HKEX-IS on or before 1 June 2018 (Friday).

You are strongly advised to place your order to your network provider as soon as possible and liaise with them closely to ensure the bandwidth upgrade will be completed on time for the Connectivity Session.

Lastly, 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.

Yours sincerely,

Karen Lam
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Enclosure: 1) OMD-C Connectivity Guide version 2.1
 2) OMD Production Connection Notification Form