

Rollout Arrangement for OMD-C and MMDH Technical Refresh on 20 January 2020

1. Rollout Arrangement

1.1 Preparation for the Rollout

There is no interface change to both OMD-C and MMDH systems for this Technical Refresh. However, with the infrastructure and software upgrade, there could be a performance improvement with a lower and more consistent latency. Also, the password requirement on MMDH is strengthened.

OMD-C and MMDH Clients should adjust their systems if needed.

Strengthened password requirement on MMDH

Password Requirement	Before the Technical Upgrade	After the Technical Upgrade
Length of password	At least 8 characters Maximum 20 characters	At least 16 characters Maximum 20 characters
Complexity of password	Alphanumeric	Must contain a combination of: - Upper case letter - Lower case letter - Numeric - Special character
Password reset frequency	Password cannot be changed more than once within 24 hours	No restriction

1.2 Post Release Test ("PRT")

The PRT is scheduled for **18 January 2020 (Saturday)**.

OMD-C and MMDH will be upgraded before the PRT. The PRT is for OMD-C and MMDH Clients to validate their connectivity to the upgraded systems. **This is mandatory to all direct connected OMD-C Market Data Vendors, Application Service Providers (ASPs) and MMDH Clients.** OMD-C Market Data End-Users are also recommended to participate in the PRT.

MMDH Clients are reminded to connect to the MMDH Primary Site with **existing production password** in the PRT.

During the PRT, OMD-C and MMDH Clients can verify their connections can receive market data and connect to the retransmission server (if applicable).

Upon completion of the PRT, participating clients are required to confirm us

the test result by returning us the duly completed online [Test Result Confirmation Form](#) on the same day.

In the event of any changes of the PRT arrangement, registered PRT contacts will be informed. Please ensure the designated PRT contact persons are reachable during the PRT and the provided emails and phone numbers are correct.

If Clients have a new hardware or software for this upgrade, Clients should keep the original infrastructure and system unchanged until the completion of stabilization period in case fallback is required.

2. Stabilisation Period and Fallback Arrangement

2.1 Arrangement and Communication by HKEX

Upon the launch of this Technical Refresh, there will be a stabilisation period from 20 January 2020 (Monday) to 7 February 2020 (Friday) (“Stabilisation Period”).

During the Stabilisation Period, the before-upgrade version of OMD-C and MMDH systems are remained in the Secondary Site. In an unlikely situation that the upgraded OMD-C or MMDH encounters irreparable incident at the Primary Site, HKEX may trigger a failover to the Secondary Site to use the before-upgrade version of OMD-C or MMDH to provide the market data services as a last resort.

In this scenario, HKEX will inform OMD-C and/or MMDH Clients of the contingency arrangement **by email** to primary, technical and emergency contacts. As there will be an interruption of market data services during the failover to the Secondary Site, Clients should keep alert to the trading arrangement to be announced through the Trading News.

Please be reminded to keep the emergency contacts up to date. Should there is any change in the contact, please send the updated information to MarketData@hkex.com.hk.

2.2 Actions to be taken by OMD-C and MMDH Clients

Clients should execute their corresponding Site Failover procedures, if any, in order to resume their services timely.

OMD-C Clients are reminded that the IP addresses of servers for retransmission service (RTS) on the Secondary Site are different from those RTS servers on Primary Site.

MMDH Clients should establish connection to MMDH Secondary site by using the **last production password** before the PRT. Any change of password during the stabilisation period **will not** be carried to the before-upgrade version of MMDH.