

HKEx Orion Market Data Platform - Mainland Market Data Hub (MMDH)

- *Frequently Asked Questions (FAQ)*

General

1. Who would use MMDH?
OMD MMDH may suit the business needs of various market users no matter they are (1) <i>Mainland information vendors</i> (“clients”) who would like to connect directly to HKEx for market data but have been deterred by the high cross-border circuit cost; or (2) <i>information vendors</i> (“clients”) <i>outside Mainland</i> planning to expand their market data business in Mainland for Hong Kong stock market data.
2. Any plan to launch derivatives market data in MMDH?
HKEx derivatives market data, including futures and options data, are not available in MMDH at the initial rollout. Subject to market demand, HKEx may consider adding derivatives market data in future.
3. Does it make any difference if my server is located nearby your data hub? i.e. any speed difference?
The physical length of the circuit would theoretically incur some latency difference but in practice it is not significant since the distance between client’s server and MMDH in Shanghai is relatively short compared with the distance between MMDH in Shanghai and the OMD central system in Hong Kong.
4. Will HKEx plan to consider adopting multicast transmission in MMDH in the near future?
This is dependent on the availability of high quality multicast network services by Mainland network carriers. HKEx will continue reviewing the service offerings of Mainland carriers to see if the Mainland network infrastructure is suitable for multicast.
5. What is the message protocol available in OMD MMDH?
Binary message protocol will be used in OMD MMDH to allow optimal transmission efficiency.

Product

6. Is there any difference in the data content offered in MMDH datafeed products and the OMD central system?
Data content in OMD Securities Standard, Index Feed and Odd lot order will be the same as those product feeds offered in OMD central system. List of indexes available in Index Feed will be the same as those currently available in MDF3.8.
7. What is the bandwidth requirement for each of the OMD MMDH product feed?

Bandwidth requirement for receiving Securities Standard (SS) will be 10Mbps (including optional feeds of index and OLO which incur minimal bandwidth)

Licence/Fees

8. Will existing clients need to apply for a separate license for OMD?

Existing clients will not be required to apply for a separate license for using MMDH. Only Schedule 3 of their existing Market Data Vendor License Agreement will be updated to list out the product feeds subscribed from MMDH.

9. My company is currently a HKEx-IS IV. Once my company connects directly to the MMDH, does it mean I can also redistribute the market data to HKEx-IS authorized IV for further redistribution? Any specific requirement I need to be aware of?

Similar to feed-providing vendors receiving data from OMD central system in Hong Kong, clients who would receive data from MMDH for offering feed providing services should observe and meet the same technical requirement currently applicable to MDF 3.8 which runs on unicast transmission.

10. My company would like to obtain HKEx market data for internal use. Can my company connect directly to MMDH?

End-user Licence for securities market data will be introduced in January 2013. It is also applicable to clients who connect to MMDH for SS for internal use.

11. My company is currently a delayed IV. Can my company connect directly to MMDH for delayed securities market data?

Same as OMD central system, only real-time datafeed products are offered in MMDH. Any clients who would connect to our MMDH will be subject to the same licensing arrangement and fees as real-time IV licensee.

12. Does my company need to get the corresponding licence from the index compilers directly if my company has already subscribed to MMDH Index feed?

Yes, clients who wish to redistribute the indexes available in the Index Feed need to get the corresponding licence from the index compilers directly, except for the S&P/HKEx indices which are already covered in the Market Data Vendor Licence Agreement with HKEx-IS.

13. My company is currently a direct connection IV and planning to connect via MMDH at the same time, does it mean I have to pay the licence fee twice? Any

discount?

Clients who retain production connection of Securities Standard (SS) to both OMD central system and MMDH will just need to pay Redistribution Fee once for the right to redistribute the SS data. However, they need to pay the Connection Fee for connection to OMD central system and the Connection Fee applicable to connection to MMDH, in addition to the Subscriber Fees. Please refer to [OMD Fee Schedule](#) at HKEx website for details.

14. What fees does our company need to pay for connecting to MMDH for Securities Standard (SS) and Index feed for further redistribution if we adopt one set of SS standard connection?

A company who would like to redistribute HKEx securities and index data by receiving SS and index feed from MMDH will be liable to pay HKEx-IS the following license fees:

<u>Recurring Fees</u>	<u>Amount (HK\$)</u>
<i>Redistribution Fee</i>	<i>\$51,000 per quarter</i>
<i>Connection Fee for MMDH (first set)</i>	<i>\$45,000 per quarter x 2</i>
<i>Subscriber Fee</i>	<i>subject to a minimum subscriber fee of \$6,000 per month</i>
<i>Total:</i>	<i>\$636,000 per annum (minimum)</i>
 <u>One-off Fees</u>	
<i>One-off connection fee</i>	<i>\$10,000</i>

Index Feed is complimentary to SS for the time being. HKEx reserves the right to impose charge on Index Feed in future. Clients who wish to redistribute the indexes will need to get the corresponding licence from the index compiler directly.

Please refer to [OMD Fee Schedule](#) at HKEx website for details.

On-boarding

15. My company would like to connect directly to MMDH but not the OMD central system. Does my company still have to participate in the testing for OMD-C (OMD Phase 1a Securities Market)? Or if there is another set of testing for IV connected via MMDH?

No, your company does not need to take part in the OMD-C testing. Clients may follow the implementation schedule of MMDH for subscribing to SS in Shanghai. We will announce the on-boarding schedule of MMDH shortly.

16. My company is already a direct connection IV in HK, Does our company have to

take part in both the MRs of MMDH and that of OMD Central site if we choose to retain both connections after releasing to production?

Yes, clients should participate in the MR for OMD central system as well as MMDH if they retain connections to both OMD central system and MMDH.

17. Will HKEx contact directly the telecom provider on line installation arrangement?

Clients are required to approach the telco provider directly for placing the line order. When the line installation order is placed, clients should approach HKEx for scheduling the subsequent connectivity test.

18. Will SDNet/2 network still be used under OMD – MMDH?

No, SDNet/2 will be used only for OMD data transmission in Hong Kong central site but will not be used in Mainland Market Data Hub.

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