

HKEx Information Services Limited

(A wholly-owned member of Hong Kong Exchanges and Clearing Limited Group)

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By Email

To: OMD-C Enrolled Vendors and End-Users

Copy: All Real-time Vendors and End-Users

Dear Sirs,

**HKEx Orion Market Data Platform Phase 1a (OMD-C) –
Updated Interface Specifications (v1.4) and clarifications on the recent enquiries from clients**

Please find attached the latest OMD-C Interface Specification (v1.4) which incorporates more explanatory notes on some sections for your reference.

Other than this, in response to the recent enquiries from clients in relation to the OMD-C behaviors in relation to Refresh and Disaster Recovery (DR), we would like to take this opportunity to provide clarifications on the following common questions as below:

1) Sequence Number in the Sequence Reset message from real-time channels

In the few occasions that OMD-C sends out Sequence Reset messages via the real-time channels, which may only happen during OMD-C system startup or upon failover to the DR site, the sequence number found in the packet header of a Sequence Reset message can be any value. Clients should not make any assumption of the value of this sequence number in their processing logic. The sequence number in the packet header of the next packet will be equal to the NewSeqNo field from the Sequence Reset message (which is always 1).

2) Emptied Aggregated Order Book and Broker Queue in Refresh

While the Refresh channels for Aggregated Order Book and Broker Queue are mainly to provide the information of non-empty order books, occasionally clients may find Aggregated Order Book messages with “NoEntries” being 0 (zero) or Broker Queue with “ItemCount” being 0 (zero). Please note that this is normal for cleared order books after removal of orders due to trade execution or order cancellation. Clients can ignore these messages since they should have cleared all order books in their system before listening to the Refresh channels. These clarifications have also been added to latest Interface Specification attached.

3) DR Failover Procedure

In case of primary site failure which triggers failover to the DR site, it is a gradual process for the various system components in the DR site to take over and, likewise, different multicast channels will be activated gradually during the process. Clients should not make any assumption in their processing logic about the duration and ordering in the activation of different multicast channels. HKEx will inform clients once the DR site has become fully functional. Clients should wait for the HKEx announcement before starting to consume data from the DR site so as to ensure data integrity.

Should you have any queries about OMD on-boarding activities, please do not hesitate to contact our Vendor Support Team at (852) 2211 6558 or send your questions via email to OrionMarketData@hkex.com.hk.

Yours sincerely,

Karen Lam
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Encl. OMD-C Interface Specifications for Securities Market & Index Datafeed Products (version 1.4)