

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)

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Our Ref: MDD/22/698

By Email

To: Direct Connection Data Vendors & End Users of Orion Market Data – Derivatives Market (OMD-D); Application Service Providers (Collectively “Clients”) and Independent Software Vendors (ISVs)

Copy: Indirect Connection Market Data Vendors and End Users of OMD-D

Implementation of Compression Mechanism on HKEX Orion Market Data Platform – Derivatives Market (OMD-D) DS (SOM) Datafeed

With reference to our client notice issued on 20 April 2022 (Ref: [MDD/22/253](#)) for the implementation of the compression mechanism on OMD-D D-Lite datafeed, we are now planning to extend the compression mechanism to Derivatives Standard (“DS”) Stock Option Market (SOM) datafeed to maintain the quality of DS datafeed for continuing growth of transaction activities in the derivatives market.

The same compression mechanism and methodology will be implemented in **Real Time Channel 135 and Refresh Channel 635 of DS (SOM) datafeed, as well as the Retransmission Service for Channel 135**. Accordingly, after the implementation of the compression mechanism on D-Lite Datafeed and the introduction of a new field “Compression Mode” in the packet header tentatively in November 2022, clients should apply a decompression process on the messages whenever the corresponding packet header with “Compression Mode = 1” is received.

For the compression mechanism and methodology details, please refer to the latest OMD-D Interface Specification (version 1.41) and OMD-D Developers Guide (version 1.25) available in [OMD-D web corner](#).

The tentative timeline of the implementation and testing facilities are listed below:

Tentative Schedule	Event	Client Action
Mid November 2022	Canned Data Distribution	DS Clients and ISVs who would like to obtain a copy of canned data, please complete the Online Request Form on or before 4 November 2022.
December 2022	Provision of OMD-D Readiness Test Environment	DS Clients can connect to OMD-D Readiness Test Environment to conduct testing. The relevant OMD-D Readiness Test material will be posted on OMD-D web corner .

By 31 January 2023	System Impact and Readiness Declaration	<p>All DS Clients and ISVs should assess the system impact, and submit your impact and readiness declaration by 31 January 2023.</p> <p>The link of the Online Declaration Form will be provided in December 2022.</p> <p>(Mandatory to all OMD-D direct connection DS SOM and Non-SOM Clients and ISVs)</p>
Schedule to be announced in January 2023	Market Rehearsal	<p>All DS (SOM) Clients, and DS (Non-SOM) Clients who have assessed there is an impact are required to participate in Market Rehearsal to validate readiness of the launch in production environment.</p> <p>DS (Non-SOM) Clients, who have assessed no impact for the addition of “Compression Mode” in packet header, are highly recommended to participate in Market Rehearsal so as to confirm the assessment result.</p> <p>(Derivatives Lite, Premium, and Fulltick clients are not required to participate)</p>

Indirect Connection OMD-D Clients should liaise closely with their feed providing vendors or application service providers for all necessary arrangements to ensure their readiness for the compression mechanism.

Should you have any queries, please contact us at (852) 2211 6558 or send your questions to IVSupport@hkex.com.hk.

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