

SCHEDULE 4
Memorandum of Permitted Purpose

Version 2020-05

<u>Securities Market Data</u>	<u>Data Content</u>	<u>Derivatives Market Data</u>	<u>Data Content</u>
Continuous Access Level 1 (L1)	Bid/ask price and volume, high/low, last traded price, nominal, cumulative turnover/volume, opening/closing, IEV & IEP from auction trading session	Continuous Access Level 1 (L1)	Bid/ask price and volume, high/low, traded price, calculated opening price (COP) if any, trade volume, cumulative volume
		Continuous Access 5 Level Order Depth <i>(for OMD Derivatives Lite only)</i>	L1 above plus order depth (aggregated no. and volume (shares) of orders in the best 5 bid/ask queues), previous transactions, freetext
Continuous Access Level 2 (L2)	L1 above plus order depth (aggregated no. and volume (shares) of orders in the best 10 bid/ask queues); broker queue, previous transactions, freetext	Continuous Access Level 2 (L2)	L1 above plus order depth (aggregated no. and volume (shares) of orders in the best 10 bid/ask queues), previous transactions, freetext
Continuous Access Level 2+One (L2+One)	L2 above plus aggregated no. and volume (shares) of all orders beyond10 level order depth	Continuous Access Level 2+One (L2+One)	L2 above plus aggregated no. and volume (shares) of all orders beyond10 level order depth
Continuous Access Full Book (Full Book)	L2 above plus all order information	Continuous Access Full Book (Full Book)	L2 above plus all order information
Pager (L2) (with transmission speed below 6250 bps)	Same as Continuous Access Level 2 (L2)	Pager (L2) (with transmission speed below 6250 bps)	Same as Continuous Access Level 2 (L2)
Pager (L2+One) (with transmission speed below 6250 bps)	Same as Continuous Access Level 2+One (L2+One)	Pager (L2+One) (with transmission speed below 6250 bps)	Same as Continuous Access Level 2+One (L2+One)
Per Quote Access Level 1	Bid/ask price and volume, high/low, last traded price, nominal, cumulative turnover/volume, opening/closing, IEV & IEP from auction trading session.	Per Quote Access Level 1	Bid/ask price and volume, high/low, traded price, calculated opening price (COP) if any, trade volume, cumulative volume
Per Quote Access Level 2	L1 plus order depth (aggregated no. and volume (shares) of orders in the best 10 bid/ask queues)	Per Quote Access Level 2	L1 plus order depth (aggregated no. and volume (shares) of orders in the best 10 bid/ask queues)
Per Quote Access Level 3	L2 plus broker queues, previous transactions and freetext	Per Quote Access Level 3	L2 above plus aggregated no. and volume (shares) of all orders beyond10 level order depth
Per Quote Access Level 4	L3 above plus aggregated no. and volume (shares) of all orders beyond10 level order depth		
Per Unit Time (Up to 10 level order depth with broker queue)	Same as Per Quote Access Level 3	Per Unit Time (Up to 10 level order depth)	Same as Per Quote Access Level 2
Per Unit Time (Above 10 level order depth with broker queue)	Same as Per Quote Access Level 4	Per Unit Time (Above 10 level order depth)	Same as Per Quote Access Level 3
TV Service	Same as Continuous Access Level 1 (L1) subject to following limitations: - Information transmitted shall not exceed 150 securities at any one time - The information shall be made available by a "play-list" of screens which shall have a scrolling time (from start to finish of each cycle) of not less than 90 seconds Information shall be made available to Subscribers on a pre-programmed transmission-only basis, and shall not be used in relation to the provision of any interactive services	TV Service	Same as Continuous Access Without Order Depth (L1) subject to following limitation: - Information shall be made available to Subscribers on a pre-programmed transmission-only basis, and shall not be used in relation to the provision of any interactive services

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<u>Securities Market Data</u>	<u>Data Content</u>	<u>Derivatives Market Data</u>	<u>Data Content</u>
Delayed Data	Bid/ask price and volume, high/low, last traded price, nominal, cumulative turnover/volume, opening/closing, IEV & IEP from auction trading session, previous transactions	Delayed Data	Bid/ask, high/low, last traded price, nominal, cumulative turnover/volume, opening/closing, IEV & IEP from auction trading session, previous transactions
Basic Market Prices (BMP)	Nominal/last traded price, closing price, high/low prices, trading volume, turnover value, IEV & IEP from auction trading session.	Basic Market Prices (BMP)	Last trade price, closing price, high/low price, trading volume & turnover of individual futures and options contract series
Non-Display Usage	For all Data Content. Non-display usage is defined as follows: i. Automated Trading Application - Any application that accesses HKEX real-time market data for automatic calculation, processing and analysis, and that process will determine the quantity, price and timing of order execution. ii. Derived Data (with Tradable Products) - Any work created using HKEX real-time market data to partly or wholly derive (i) the price of a tradable product, or (ii) the value of an underlying instrument of a tradable product. iii. Others - Any other non-display data usage that does not fall under Category (i) & (ii).	Non-Display Usage	For all Data Content. Non-display usage is defined as follows: i. Automated Trading Application - Any application that accesses HKEX real-time market data for automatic calculation, processing and analysis, and that process will determine the quantity, price and timing of order execution. ii. Derived Data (with Tradable Products) - Any work created using HKEX real-time market data to partly or wholly derive (i) the price of a tradable product, or (ii) the value of an underlying instrument of a tradable product. iii. Others - Any other non-display data usage that does not fall under Category (i) & (ii).
Fixed Monthly Fee Service	L1 above plus order depth (aggregated no. and volume (shares) of orders in the best 5 bid/ask queues); previous transactions, freetext of the Eligible Stocks. Eligible Stocks refers to the Ordinary Shares and Preference Shares under SEHK equities.		