1.14 TP014 - Boundary File for Stamp Duty

1.14.1 Summary

Report ID	TP014
Description	This file holds the portfolio delta and the upper and lower bounds of each options class for each options market maker.
Clearing House	SEOCH
Sorting order	N/A

1.14.2 Raw Data File

File Id: RAWCM020

File Type: Text file

File Structure:
- Details Record
- Trailer Record

Details Record

Column	Field	Attribute	Remark
1-8	File Id	x(8)	'RAWCM020'
9-16	Effective Date	9(8) in yyyymmdd	Contains the business date of which the data is created for
17-24	Creation Date	9(8) in yyyymmdd	Contains the creation date of the file
25-26	Environment Number	x(2)	'00'
27-31	Exchange Member ID	X(5)	Contains the unique identifier of the Exchange Participant
32-35	Product Type Code	X(4)	'OSTK'
36-41	Series Security ID code	X(6)	This field contains the unique identification code assigned to the options class e.g. HKB (for HSBC Holdings plc), CKH (for CK Hutchison Holdings Ltd). For series with a new code after capital adjustment, the master identification code will be used. For example, HKA is a capital adjustment underlying of HKB. HKB will be shown in this field.
42-61	Portfolio Delta in shares	-Z(13)9.9(4)	This field contains the portfolio delta for the EP's portfolio on the options class. It is the summation of the following over each options series of the option class: $\sum$*(series delta x trading unit x net market making positions)*

Column	Field	Attribute	Remark
62-80	Synthetic Longs in shares	9(14).9(4)	This field contains the synthetic longs for the EP's portfolio on the option class. It is expressed in number of shares and is the summation of the following over each options series: ∑ *(long market making positions for call series x Trading Unit + short market making positions for put series x Trading Unit)*
81-99	Synthetic Shorts in shares	9(14).9(4)	This field contains the synthetic shorts for the EP's portfolio on the options class. It is expressed in number of shares and is the summation of the following over each options series: ∑ *(long market making positions for put series x Trading Unit + short market making positions for call series x Trading Unit)*
100-105	Synthetic Longs Allowance	9.9(4)	Contains the synthetic long allowance factor for the options class
106-111	Synthetic Shorts Allowance	9.9(4)	Contains the synthetic short allowance factor for the options class
112-131	Unadjusted Upper Bound	-Z(13)9.9(4) Trailing zero for decimal part	This field contains the unadjusted upper bound of the allowable underlying hedging position. This is the maximum underlying hedging position the market maker can carry long prior to any adjustment. ([Synthetic Shorts in shares] x [Synthetic Shorts Allowance]) -[Portfolio Delta in shares]
132-151	Unadjusted Lower Bound	-Z(13)9.9(4)	This field contains the unadjusted lower bound of the allowable underlying hedging position. This is the maximum underlying hedging position the market maker can carry short prior to any adjustment. (-1 x [Synthetic Longs in shares] x [Synthetic Longs Allowance]) – [Portfolio Delta in shares]
152-171	Adjusted Upper Bound	-Z(13)9.9(4)	This field contains the maximum underlying hedging position the market maker can carry long after adjustment has been made. It is the maximum among the following three items: *Unadjusted Upper Bound,* *Brought Forward Upper Bound*(1) *Outright Long Minimum Shares*(2)
172-191	Adjusted Lower Bound	-Z(13)9.9(4)	This field contains the maximum underlying hedging position the market maker can carry short after adjustment has been made. It is the minimum among the following three items: *Unadjusted Lower Bound,* *Brought Forward Lower Bound*(1) *Outright Short Minimum Shares*(2)

Column	Field	Attribute	Remark
192-211	Previous Adjusted Upper Bound	-Z(13)9.9(4)	This field contains the adjusted upper bound of the allowable underlying hedging position for the previous business day.
212-231	Previous Adjusted Lower Bound	-Z(13)9.9(4)	This field contains the adjusted lower bound of the allowable underlying hedging position for the previous business day.
232-251	Net Purchase Shares	-Z(13)9.9(4)	This field contains the maximum allowable purchase quantity for hedging the position of the options class. This is the maximum quantity of underlying shares the market maker can purchase for hedging the current day positions. [Adjusted Upper Bound] – [Previous Adjusted Lower Bound]
252-271	Net Sales Shares	-Z(13)9.9(4)	This field contains the maximum allowable sales quantity for hedging the position of the options class. This is the maximum quantity of underlying shares the market maker can sell for hedging the current day positions. [Adjusted Lower Bound] – [Previous Adjusted Upper Bound]

Note (1) The Brought Forward Upper Bound is the maximum value among the Unadjusted Upper Bounds during the Allowable Stock Positions Closure Period (a parameter which is currently set as 2).

The Brought Forward Lower Bound is the minimum value among the Unadjusted Lower Bounds during the Allowable Stock Positions Closure Period (a parameter which is currently set as 2).

(2) The Outright Long Minimum Shares and the Outright Short Minimum Shares are currently 250 x Trading Unit of the underlying security of the respective options class.

Length of record = 271 bytes

Primary Key: File ID Effective Date
Creation Date
Exchange Member ID
Series Security ID code
Length of Key: 41 bytes

Trailer Record of CM020

Column	Field	Attribute	Remark
1-8	File Id	x(8)	'ENDCM020'
9-16	Effective Date	9(8) in yyyymmdd	000000
17-24	Creation Date	9(8) in yyyymmdd	000000
25-26	Environment Number	x(2)	EMPTY STRING
27-31	Exchange Participant ID	X(5)	EMPTY STRING
32-35	Product Type Code	X(4)	EMPTY STRING
36-41	Series Security ID code	X(6) Left	EMPTY STRING
42-61	Portfolio Delta in shares	-9(14).9(4)	0.0000
62-80	Synthetic Longs in shares	9(14).9(4)	00000000000000.0000
81-99	Synthetic Shorts in shares	9(14).9(4)	00000000000000.0000

Column	Field	Attribute	Remark
100-105	Synthetic Longs Allowance	9.9(4)	0.0000
106-111	Synthetic Shorts Allowance	9.9(4)	0.0000
112-131	Unadjusted Upper Bound	-Z(13)9.9(4)	0.0000
132-151	Unadjusted Lower Bound	-Z(13)9.9(4)	0.0000
152-171	Adjusted Upper Bound	-Z(13)9.9(4)	0.0000
172-191	Adjusted Lower Bound	-Z(13)9.9(4)	0.0000
192-211	Previous Adjusted Upper Bound	-Z(13)9.9(4)	0.0000
212-231	Previous Adjusted Lower Bound	-Z(13)9.9(4)	0.0000
232-251	Net Purchase Shares	-Z(13)9.9(4)	0.0000
252-271	Net Sales Shares	-Z(13)9.9(4)	0.0000

1.14.3 Example of SEOCH (Raw data-TP014)

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RAWCM0202018031220180312 00XYZ  OSTKAAC  0.0000000000000010000.0000000000000000000.00000.40000.4000  0  -4000  125000  -125000  125000  -125000  250000  -250000
RAWCM0202018031220180312 00XYZ  OSTKKSO  0.0000000000000000000.0000000000000020997.96300.40000.4000  8399.185  0  250000  -250000  250000  -250000  500000  -500000
ENDCM0200000000000000000  0.0000000000000000000.0000000000000000000.00000.00000.0000  0  0  0  0  0  0  0  0
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