

Report Description

Risk - Stress Testing Report

Report ID : RMAST01

Report Name : Risk - Stress Testing Report

Purpose : This report shows Stress Test Value (STV) calculated based on the returns of stress scenarios defined by HKEX in each of participant account for Hong Kong market and expressed in HKD equivalent value. For STV calculation details and the actual stress scenarios used, please refer to the Stress Test Value Calculation Guide and the Stress Testing Risk Parameter Files of that particular date.

Time Available : This report will be available at around 9:00 p.m. on each business day

Frequency : Daily

Report Data File Layout

Two zip files, i.e. a control file and a data file, will be generated for RMAST01 and available in RAP for retrieval. After unzip, the files are in CSV format with comma (,) as separator. Alphanumeric values are not enclosed by double quotation mark (“) unless they contain comma (,), the separator.

(A) Control file:

File Name : RMAST01_<CCASS Part_ID>_yyyymmddhhmmss.CNTL.ZIP (compressed format)

Content : Two control records

Field Description:

<u>#</u>	<u>Data item</u>	<u>Data size</u>	<u>Remarks</u>
<u>Control Record 1</u>			
(R1)	Key	X(2)	00 for Header record
(R2)	File Date	9(8)	File generation date formatted in “YYYYMMDD”
(R3)	Business Date	9(8)	Date of margin calculation formatted in “YYYYMMDD”
(R4)	Report ID	X(7)	RMAST01
(R5)	File Sequence Number	9(8)	HKEX internal file sequence number formatted as ‘nnnnnnnn’. e.g. 00000004. For HKEX internal use only
<u>Control Record 2</u>			
(R1)	Key	X(2)	09 for Trailer record
(R2)	Record Count	9(15)	Number of records in the data file, including header, formatted as ‘nnnnnnnnnnnnnnnnn’ e.g. 000000000000201 is 201 records

(B) Data File:

File Name : RMAST01_<CCASS Part_ID>_yyymmddhhmmss.CSV.ZIP (compressed format)

Content : Contains at least 2 records. The first record is the header record which provides the field names in the data file. The rest of the records provide details on the Stress Testing Value information for each of the participant account.

Field Description:

#	<u>Data item</u>	<u>Data size</u>	<u>Remarks</u>
(R1)	Batch	9(19)	The batch ID of Risk - Stress Testing Report
(R2)	IDM	9(1)	ID to identify when the report is generated, during familiarisation period, only day-end report will be available, i.e. always “2”
(R3)	Create Time	X(17)	File generation date and time formatted as “YYYYMMDD HH:MM:SS”
(R4)	Business Date	9(8)	Date of calculation formatted as “YYYYMMDD”
(R5)	Country	9(2)	The two-digit ISO 3166-1 country code for countries and their subdivisions HK – Hong Kong
(R6)	Product Area	X(2)	HK – Hong Kong Blank if no marginable position
(R7)	Market	X(30)	HKMK – Hong Kong Market Blank if no marginable position
(R8)	Market ID	9(3)	201 – HKMK
(R9)	Exchange	X(2)	HK – Hong Kong
(R10)	Participant ID	X(9)	Participant ID

#	<u>Data item</u>	<u>Data size</u>	<u>Remarks</u>
(R11)	Account	X(10)	<p>Margin Account of the Participant</p> <p>MA1 “Main Account” in which the marginable positions are captured for STV calculation</p> <p><u>Applicable to GCP, for information only:</u></p> <p>H1 House Account with GCP’s own marginable positions captured for STV calculation</p> <p>nnnnn+ NCP Account (e.g. 01234+) with each NCPs’ marginable positions captured for STV calculation, where “nnnnn” is equivalent to the Firm ID of the NCP</p> <p>Blank if no marginable position</p>
(R12)	Participant Name	X(80)	Name of the Participant
(R13)	Currency	X(3)	<p>HKD</p> <p>Blank if no marginable position</p>
(R14)	Scenario Type	X(1)	<p>The stress testing scenario types:</p> <p>0 – Hypothetical Macroeconomic Scenarios</p> <p>1 – Hypothetical Correlation Break Scenarios</p> <p>2 – Hypothetical Correlation Boost Scenarios</p> <p>3 – Idiosyncratic Stress Scenarios</p> <p>4 – Manual Uploaded Stress Scenarios</p> <p>5 – Historical Stress Scenarios</p>
(R15)	Scenario Id	X(8)	Scenario ID represents a specific scenario under (R14) Scenario Type
(R16)	STV	9(13)	STV of the specific scenario

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(B) Sample files for GCP:

Control File for Data File: RMAST01_B20002_20210507205800.CNTL

RMAST01_B00002_20210507205800.CNTL	
1	00,20210507,20210507,RMAST01,00000001
2	09,000000000002017

Data File: RMAST01_B20002_20210507205800.CSV

RMAST01_B00002_20210507205800.CSV																
1	Batch	IDM	Create Time	Business Date	Country	Product Area	Market	Market ID	Exchange	Participant ID	Account	Participant Name	CCY	Scenario Type	Scenario Id	STV
2	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN10	-1689075
3	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN11	-18591677
4	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN13	-17200187
5	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN14	-2326955
6	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN15	-9410493
7	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN24	-8300995
8	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN25	1689075
9	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN26	18591677
10	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN28	17200187
11	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN29	2326955
12	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN30	9410493
13	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN9	8300995
14	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP1	40103086
15	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP16	-40103086
16	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP17	-18800052
17	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP18	-35215599
18	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP2	18800052
19	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP20	-35383132
20	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP21	-39514316
21	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP22	-39482761
22	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP3	35215599
23	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP5	35383132
24	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP6	39514316
25	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP7	39482761
26	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	1	100	22260517
27	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	1	25	29813857
28	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	1	50	25864319
29	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	1	75	22413542

- Excel view:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Batch	IDM	Create Time	Business Date	Country	Product Area	Market	Market ID	Exchange	Participant ID	Account	Participant Name	CCY	Scenario Type	Scenario Id	STV
2	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN10	-1689075
3	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN11	-18591677
4	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN13	-17200187
5	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN14	-2326955
6	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN15	-9410493
7	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN24	-8300995
8	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN25	1689075
9	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN26	18591677
10	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN28	17200187
11	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN29	2326955
12	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN30	9410493
13	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECDN9	8300995
14	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP1	40103086
15	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP16	-40103086
16	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP17	-18800052
17	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP18	-35215599
18	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP2	18800052
19	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP20	-35383132
20	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP21	-39514316
21	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP22	-39482761
22	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP3	35215599
23	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP5	35383132
24	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP6	39514316
25	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	0	MECUP7	39482761
26	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	1	100	22260517
27	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	1	25	29813857
28	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	1	50	25864319
29	320	2	20210507 20:58:00	20210507	HK	HK	HKMK	201	HK	B00002	99991+	B00002 PARTICIPANT FULL NAME	HKD	1	75	22413542