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## **Report Description**

Latest updates are highlighted in orange

### **MTM and Margin Requirement Report (Summary Version)**

Report ID : RMAMR03

Report Name : MTM and Margin Requirement Report (Summary Version)

Purpose : This report is a summary version of the MTM and Margin Requirement Report (RMAMR01), carrying MTM and margin requirement calculated in HKD, for Hong Kong market only. For calculation details, please refer to the detail report RMAMR01 and the Initial Margin Calculation Guide.

For General Clearing Participant (GCP), the projected MTM and initial margin of its house account (H1) and each of its underlying Non-Clearing Participant (NCP) (nnnnn+) will be shown in end of day report. Please refer to the description for RMAMR01 for details. GCP can also refer to the reports generated after intra-day (or holiday) margin process, i.e. 11:30 a.m. (or 2:30 p.m.) for the projected MTM and initial margin of each of its underlying NCPs.

Time Available : This report will be available 4 to 5 times on each business day

- 1) at around 11:30 a.m., after the intra-day margin calculation process at around 11:00 a.m.
- 2) at around 2:30 p.m., after the holiday margin calculation process at around 2:00 p.m., if applicable.
- 3) at around 3:30 p.m., after the margin estimation process at around 3:00 p.m.
- 4) at around 5:15 p.m., after the margin estimation process at around 4:45 p.m.
- 5) at around 9:00 p.m., after the end of day margin calculation process at around 8:30 p.m.

**\*\*\*\* During Familiarisation Programme, only reports generated for 4) margin estimation and 5) end of day margin will be available via RAP at around 7:15 p.m. and 9:00 p.m. respectively**

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Frequency : 4 to 5 times daily as scheduled.

### **Report Data File Layout**

Two zip files, i.e. a control file and a data file, will be generated for RMAMR03 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 :** RMAMR03\_<CCASS Part\_ID>\_yyyymmddhhmmss.CNTL.ZIP (compressed format)

**Content :** Two control records

#### **Field Description:**

<b>#</b>	<b><u>Data item</u></b>	<b><u>Data size</u></b>	<b><u>Remarks</u></b>
<b><u>Control Record 1</u></b>			
(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 the margin calculation formatted in "YYYYMMDD"
(R4)	Report ID	X(7)	RMAMR03
(R5)	File Sequence Number	9(8)	HKEX internal file sequence number formatted as 'nnnnnnnn'. e.g. 00000004. For HKEX internal use only
<b><u>Control Record 2</u></b>			
(R6)	Key	X(2)	09 for Trailer record
(R7)	Record Count	9(15)	Number of records in the data file, including header, formatted as 'nnnnnnnnnnnnnnnn' e.g. 0000000000000201 is 201 records

**(B) Data File:**

**File Name :** RMAMR03\_<CCASS Part\_ID>\_yyyymmddhhmmss.CSV.ZIP (compressed format)

**Content :** Contain 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 MTM and margin information for each of the participant account. For participant/account with no MTM and margin requirement, a dummy record with “0” values will be displayed.

**Field Description:**

<b>#</b>	<b><u>Fields</u></b>	<b><u>Data size</u></b>	<b><u>Remarks</u></b>
(R1)	Batch	9(19)	The batch ID of the margin calculation, for reference to the corresponding MTM and Margin Requirement Report (RMAMR01) and Marginable Position Report (RMAMP01)
(R2)	IDM	9(1)	ID to identify when the report is generated for “2” – end of day margin “3” – intraday, holiday and estimated margin
(R3)	Create Time	X(17)	File generation date and time formatted as “YYYYMMDD HH:MM:SS”
(R4)	Business Date	9(8)	Date of margin 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 Blank if no marginable position
(R9)	Exchange	X(2)	HK – Hong Kong
(R10)	Participant ID	X(9)	Participant ID

#	Fields	Data size	Remarks
(R11)	Account	X(10)	Margin Account of the Participant MA1 Main Account in which the MTM and margin requirement are captured for collateralization calculation in CCASS <u>Applicable to GCP, projected for information only:</u> H1 House Account with GCP's own MTM and margin result nnnnn+ NCP Account (e.g. 01234+) with each NCP's MTM and margin result, where "nnnnn" is the Firm ID of the NCP Blank if no marginable position
(R12)	Participant Name	X(80)	Name of the Participant
(R13)	Currency	X(3)	HKD Blank if no marginable position
(R14)	MTM Requirement	9(20)	Calculated loss from MTM calculation. Show "0" if not a loss
(R15)	Portfolio Margin <sup>1</sup>	9(20)	Portfolio Margin, after flooring, same as (R16) in RMAMR01
(R16)	Flat Rate Margin <sup>2</sup>	9(20)	Flat Rate Margin, after applying Flat Rate Margin Multiplier, same as (R19) in RMAMR01
(R17)	Corporate Action Position Margin <sup>3</sup>	9(20)	Risk component related to potential risk exposures arising from Corporate Action entitlements (e.g. rights/open offer; distribution in specie and dividend), same as (R20) in RMAMR01
(R18)	Margin Add-ons	9(20)	Sum of various add-ons components: Liquidation Risk Add-on + Structured Product Add-on + [Holiday Add-on (reserve for future use)] + Position Limit Add-on + Credit Risk Add-on + Ad-hoc Add-on Please refer to RMAMR01 for add-on details
(R19)	Total Margin Adjustments	9(20)	Adjustments consist effect from margin rounding, Favorable MTM and Margin Credit

Please refer to Initial Margin Calculation Guide for the calculation process of various margins:

<sup>1</sup> Section 3.2.4.1 for Portfolio Margin

<sup>2</sup> Section 3.2.4.2 for Flat Rate Margin

<sup>3</sup> Section 3.2.4.5 for Corporate Action Position Margin

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<b>#</b>	<b><u>Fields</u></b>	<b><u>Data size</u></b>	<b><u>Remarks</u></b>
(R20)	Total MTM and Margin Requirement	9(20)	<p>Total MTM and Margin Requirement, after margin adjustment (R19), to be collected, including the requirements to be collected through HKSCC and SEOCH (if opted by CP who is also an SEOCH Participant)</p> <p><u>Applicable to GCP for information only:</u></p> <p>For H1 and NCP (nnnnn+) accounts, the requirements are yet to incorporate add-ons requirements.</p> <p>Please refer to the description of RMAMR01 for details, same as (R34) in RMAMR01</p>
(R21)	Default Fund Add-on	9(20)	<p>Risk component to mitigate excessive risk exposures of individual CP on Default Fund, same as (R37) in RMAMR01</p> <p>If any, will be collected separately from Total MTM and Margin Requirement</p> <p>For H1 and NCP (nnnnn+) accounts, always shown as “0”</p>

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4. It remains to be GCP’s responsibility and absolute discretion to determine and collect the marks and margin requirements for NCPs.

**Sample Control and Data Files**

**(A) Sample files for DCP:**

Control File for Data File: RMAMR03\_B00001\_20201217205602.CNTL

RMAMR03_B00001_20201217205602.CNTL	
1	00,20201217,20201217,RMAMR03,00000004
2	09,0000000000000000

Data File: RMAMR03\_B00001\_20201217205602.CSV

RMAMR03_B00001_20201217205602.CSV	
1	Batch, IDM, Create Time, Business Date, Country, Product Area, Market, Market ID, Exchange, Participant ID, Account, Participant Name, Currency, MTM Requirement, Portfolio Margin, Flat Rate
2	99,2,20201217 20:56:02,20201217, HK, HK, HKMK, 201, HK, B00001, MA1, B00001 PARTICIPANT FULL NAME, HKD, 0, 4422681, 5209609, 0, 15340, -6317853, 3329777, 0
3	

- Excel view:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Batch	IDM	Create Time	Business Date	Country	Product Area	Market	Market ID	Exchange	Participant ID	Account	Participant Name	Currency	MTM Requirement	Portfolio Margin	Flat Rate
2	99	2	20201217 20:56:02	20201217	HK	HK	HKMK	201	HK	B00001	MA1	B00001 PARTICIPANT FULL NAME	HKD	0	4422681	5209609
3																
17	18	19	20	21	22	23	24	25	26	27	28	29	30			
1	Corporate Action	Position	Margin	Margin Add-ons	Total Margin	Adjustments	Total MTM and	Margin Requirement	Default Fund	Add-on						
2			0	15340		-6317853		3329777		0						

**(B) Sample files for GCP:**

Control File for Data File: RMAMR03\_B00002\_20201217205602.CNTL

RMAMR03_B00002_20201217205602.CNTL	
1	00,20201217,20201217,RMAMR03,00000004
2	09,0000000000000000

Data File: RMAMR03\_B00002\_20201217205602.CSV

RMAMR03_B00002_20201217205602.CSV	
1	Batch, IDM, Create Time, Business Date, Country, Product Area, Market, Market ID, Exchange, Participant ID, Account, Participant Name, Currency, MTM Requirement, Portfolio Margin, Flat Rate
2	99,2,20201217 20:56:02,20201217, HK, HK, B00002, 99901+, B00002 PARTICIPANT FULL NAME, , 0, 0, 0, 0, 0, 0, 0
3	99,2,20201217 20:56:02,20201217, HK, HK, HKMK, 201, HK, B00002, 99902+, B00002 PARTICIPANT FULL NAME, HKD, 4562202, 26819222, 14343829, 0, 1879018, -1872069, 45732202, 0
4	99,2,20201217 20:56:02,20201217, HK, HK, B00002, 99903+, B00002 PARTICIPANT FULL NAME, , 0, 0, 0, 0, 0, 0, 0
5	99,2,20201217 20:56:02,20201217, HK, HK, B00002, 99904+, B00002 PARTICIPANT FULL NAME, , 0, 0, 0, 0, 0, 0, 0
6	99,2,20201217 20:56:02,20201217, HK, HK, HKMK, 201, HK, B00002, 99905+, B00002 PARTICIPANT FULL NAME, HKD, 0, 14878379, 4882054, 0, 902028, -4487087, 16175374, 0
7	99,2,20201217 20:56:02,20201217, HK, HK, HKMK, 201, HK, B00002, H1, B00002 PARTICIPANT FULL NAME, HKD, 54232564, 156347217, 138568213, 0, 13462353, -13457783, 349152564, 0
8	99,2,20201217 20:56:02,20201217, HK, HK, HKMK, 201, HK, B00002, MA1, B00002 PARTICIPANT FULL NAME, HKD, 55200141, 169946166, 149569597, 0, 16243399, -4999162, 385960141, 0
9	

- Excel view:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	Batch	IDM	Create Time	Business Date	Country	Product Area	Market	Market ID	Exchange	Participant ID	Account	Participant Name	Currency	MTM Requirement	Portfolio Margin	Flat Rate
2	99	2	20201217 20:56:02	20201217	HK			HK		B00002	99901+	B00002 PARTICIPANT FULL NAME		0	0	
3	99	2	20201217 20:56:02	20201217	HK	HK	HKMK	201	HK	B00002	99902+	B00002 PARTICIPANT FULL NAME	HKD	4562202	26819222	
4	99	2	20201217 20:56:02	20201217	HK			HK		B00002	99903+	B00002 PARTICIPANT FULL NAME		0	0	
5	99	2	20201217 20:56:02	20201217	HK			HK		B00002	99904+	B00002 PARTICIPANT FULL NAME		0	0	
6	99	2	20201217 20:56:02	20201217	HK	HK	HKMK	201	HK	B00002	99905+	B00002 PARTICIPANT FULL NAME	HKD	0	14878379	
7	99	2	20201217 20:56:02	20201217	HK	HK	HKMK	201	HK	B00002	H1	B00002 PARTICIPANT FULL NAME	HKD	54232564	156347217	
8	99	2	20201217 20:56:02	20201217	HK	HK	HKMK	201	HK	B00002	MA1	B00002 PARTICIPANT FULL NAME	HKD	55200141	169946166	
9																
17	18	19	20	21	22	23	24	25	26	27	28	29	30			
1	Corporate Action	Position	Margin	Margin Add-ons	Total Margin	Adjustments	Total MTM and	Margin Requirement	Default Fund	Add-on						
2			0	0		0		0		0						
3			0	1879018		-1872069		45732202		0						
4			0	0		0		0		0						
5			0	0		0		0		0						
6			0	902028		-4487087		16175374		0						
7			0	13462353		-13457783		349152564		0						
8			0	16243399		-4999162		385960141		0						
9																