VaR Platform Familiarisation Programme

- Report Comparison Guidelines for MTM & Margin Requirements

August 2021

HKEX
香港交易所

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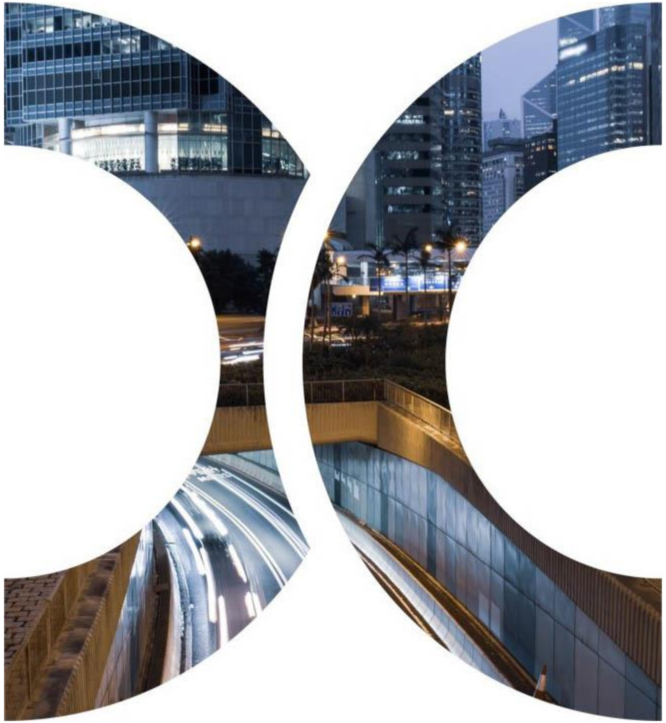
4. It remains to be GCP's responsibility and absolute discretion to determine and collect the marks and margin requirements for NCPs.

Table of Content

01 | Marginable Position



Marginable Position – Hong Kong Market (for illustration)

(a) Pending, Due & Overdue Positions

CCASS – Marks And Collateral Collection Report (CFIPM01)
**** obsolete upon business launch of VaR Platform ****

- Show CNS positions (7-14) by settlement date by pending and due/overdue

```
(1) CFIPM01    (2) B00001                         HKSCC - CCASS                                    (4) RUN
(3) B00001 PARTICIPANT FULL NAME           MARKS AND COLLATERAL COLLECTION REPORT                  (5) RUN

(6) DATE : 16NOV20

                   (8)/(9)
             (10)/(11)/(12)          (13)/(14)           (15)               (16)                (17)
   (7)      STOCK / CURRENCY      QUANTITY / MKT      MARKET VALUE      POSITION AMOUNT      MARKS AMOUNT
 STM DATE  ISIN / MKT / STM POS NUM  PRICE (BASE CCY)   (BASE CCY)         (BASE CCY)          (BASE CCY)
 --------  -------------------------  ---------------  ----------------  ------------------  ----------------
 17NOV20  87001  HUI XIAN REIT  (CNY)        65,000        137,865.00          114,090.00-          23,775.00
          HK0000078516 HKMK P78735192       2.12100

                 (18)NET MARKS (PENDING      POS DUE FOR SETTLEMENT ON 17NOV20)  : CNY             23,775.00

                 (19)NET MARKS (PENDING POS) BEFORE CROSS CURRENCY NETTING       : CNY             23,775.00
                 (20)NET MARKS (PENDING POS) AFTER  CROSS CURRENCY NETTING@      : CNY                  0.00
                 (21)CREDIT LIMIT APPLIED@@                                      : CNY                  0.00
                 (22)MARKS REQUIREMENT (PENDING POS)                             : CNY                  0.00

 17NOV20     1  CKH HOLDINGS    (HKD)     1,200,500-    69,328,875.00-       62,855,875.00       6,473,000.00-
          KYG217651051 HKMK P78662872        57.75000
 17NOV20     2  CLP HOLDINGS    (HKD)        85,000      6,283,625.00         5,966,950.00-         316,675.00
          HK0002007356 HKMK P78663110        73.92500
 17NOV20  2345  SHANGHAI PRIME (HKD)        650,000        988,000.00           988,000.00-              0.00
          CNE100000445 HKMK P78702043         1.52000
 17NOV20  11992  GSCITSE@EC2103A(HKD)     7,500,000-     1,665,000.00-        1,573,530.00          91,470.00-
                       HKMK P78719102         0.22200
 17NOV20  50620  GS#HSI  RC2311V(HKD)             0              0.00             3,460.00           3,460.00 ^
                       HKMK P78728351         0.22400

                 (18)NET MARKS (PENDING      POS DUE FOR SETTLEMENT ON 17NOV20)  : HKD          6,247,795.00-

   16NOV20  87001  HUI XIAN REIT  (CNY)        66,336        140,698.66          118,622.00-         22,076.66
            HK0000078516 HKMK P74289608       2.12100

                   (23)NET MARKS (DUE / OVERDUE POS DUE FOR SETTLEMENT ON 16NOV20)  : CNY          22,076.66

       13NOV20   3067  ISHARESHSTECH  (HKD)     833,258     13,815,417.64       13,166,099.00-        649,318.64
                 HK0000651213 HKMK P74017918   16.58000

                    (23)NET MARKS (DUE / OVERDUE POS DUE FOR SETTLEMENT ON 13NOV20)  : HKD        649,318.64

       16NOV20      1  CKH HOLDINGS   (HKD)     236,000-    13,629,000.00-       12,449,698.00      1,179,302.00-
                 KYG217651051 HKMK P74209086   57.75000

                    (23)NET MARKS (DUE / OVERDUE POS DUE FOR SETTLEMENT ON 16NOV20)  : HKD      1,179,302.00-
```

Pending Position

Due & Overdue Position

Portfolio margining in VaR Platform consists of different Margin Types which will be applied based on the marginable position

VaR Platform– Marginable Position Report (RMAMP01)

- Show cross-day netted CNS positions (R13 & R16-R18)

			K	L	M	N	O	P	Q	R
1	Exchange	Participant ID	(R11) Account	(R12) Participant Name	(R13) Instrument Code	(R14) Instrument Type	(R15) Margin Type	(R16) Currency	(R17) Quantity	(R18) Instrument Price
2	HK	B00001	MA1	B00001 PARTI	1	HK STOCK	HybridVar	HKD	-1436500	57.75
3	HK	B00001	MA1	B00001 PARTI	11992	HK ASIAN DW	HybridVar	HKD	-7500000	0.222
4	HK	B00001	MA1	B00001 PARTI	2	HK STOCK	HybridVar	HKD	54500	73.925
5	HK	B00001	MA1	B00001 PARTI	3	HK STOCK	HybridVar	HKD	-284000	12.11
6	HK	B00001	MA1	B00001 PARTI	2345	HK STOCK	FlatRateMargin	HKD	650000	1.42
7	HK	B00001	MA1	B00001 PARTI	3067	HK STOCK	HybridVar	HKD	833258	16.58
8	HK	B00001	MA1	B00001 PARTI	50620	HK CBBC CALL	HybridVar	HKD	0	0
9	HK	B00001	MA1	B00001 PARTI	87001	HK STOCK	FlatRateMargin	CNY	131336	2.121
10	HK	B00001	MA1	B00001 PARTI	9010	HK STOCK	HybridVar	USD	-4900	7.865
11	HK	B00001	MA1	B00001 PARTI	DIV2345	HK DIVIDEND	CaAddonMargin	HKD	0	0

Cross Day Netted

Note:

1. Marginable positions can also be derived from existing CCASS reports : PCS, FCS & Next Settlement Day Due/Overdue Position Report.
2. Refer to existing CCASS report : Collateral Account Balance Report (CCMCA02) for Specific Stock/Cash Collateral information

Marginable Position – Hong Kong Market (for illustration)

(b) Cross-Day Net Positions

CCASS – Margin Payable Report (CRMMG02)
****** *obsolete upon business launch of VaR Platform* *****

<u>Market Value (18)</u>

- Show in trading currency on both position level & aggregate level
- On position level, show CNS positions by settlement date, i.e. due/overdue and cross-day net
- Abnormal positions are <u>*excluded*</u> from calculation of margining position

```
(1) CRMMG02    (2) B00001                        HKSCC - CCASS                                    (4) RUN DATE : 16NOV20
(3) B00001 PARTICIPANT FULL NAME               MARGIN PAYABLE REPORT                              (5) RUN TIME : 20:35:56
                                                                                                      PAGE :      1

(6) DATE : 16NOV20          (7) SNAPSHOT TIME : 16:50:26

SECTION A   FOR NON-MULTI-COUNTER SECURITIES & MULTI-COUNTER SECURITIES WITHOUT NETTING

 (8)    (10)/(11)/(12)/(13)               (10)/(11)/(12)/(13)               (14)/(15)/(16)                  (17)/(18)
 (9)   STM DATE : 17NOV20                STM DATE : 18NOV20                DUE/OVERDUE                     TOTAL (CROSS-DAY NET)
STOCK/ QTY / MKT PRICE (BASE CCY) /      QTY / MKT PRICE (BASE CCY) /      QTY / MKT PRICE (BASE CCY) /    QTY /
CCY    MKT VALUE (BASE CCY)              MKT VALUE (BASE CCY)              MKT VALUE (BASE CCY)            MKT VALUE (BASE CCY)
------ --------------------------------- --------------------------------- ------------------------------- ----------------------
87001           65,000       2.12100                  0                         66,336        2.12100              131,336
(CNY)       137,865.00                             0.00                     140,698.66                         278,563.66

                                                  (19)TOTAL CROSS-DAY NET LONG  CNS POSITION : CNY             278,563.66
                                                  (20)TOTAL CROSS-DAY NET SHORT CNS POSITION : CNY                   0.00

    1       1,200,500-      57.75000                  0                        236,000-      57.75000           1,436,500-
(HKD)   69,328,875.00-                             0.00                 13,629,000.00-                      82,957,875.00
    2           85,000      73.92500            30,500-      73.92500                0                             54,500
(HKD)     6,283,625.00                    2,254,712.50-                           0.00                       4,028,912.50
    3                0                         284,000-      12.11000                0                           284,000-
(HKD)             0.00                    3,439,240.00-                           0.00                       3,439,240.00
 2345          650,000       1.52000                  0                              0                            650,000
(HKD)       988,000.00                             0.00                           0.00                         988,000.00
 3067                0                                0                        833,258       16.58000              833,258
(HKD)             0.00                             0.00                  13,815,417.64                      13,815,417.64
11992       7,500,000-       0.22200                  0                              0                          7,500,000-
(HKD)    1,665,000.00-                             0.00                           0.00                       1,665,000.00
50620                0                                0                              0                     ^             0
(HKD)             0.00                             0.00                           0.00                     ^          0.00

                                                  (19)TOTAL CROSS-DAY NET LONG  CNS POSITION : HKD          18,832,330.14

(72)MARGINING POSITION:                                                                 CNY :              278,563.66
                                                                                        HKD :           88,062,115.00
                                                                                        USD :              38,538.50
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VaR Platform – Marginable Position Report (RMAMP01)

<u>Market Value (R21) & (R22)</u>

- Show in trading currency (R21) and **HKD equivalent (R22)** on position level due to portfolio margin
- On position level, show cross-day netted CNS positions
- Abnormal positions are <u>*included*</u> in cross-day netted CNS positions

	M	N	O	P	Q	R	S	T	U	V
1	(R13) Instrument Code	(R14) Instrument Type	(R15) Margin Type	(R16) Currency	(R17) Quantity	(R18) Instrument Price	(R19) Contract Value	(R20) Contract Value HKD Equivalent	(R21) Market Value	(R22) Market Value HKD Equivalent
2	1	HK STOCK	HybridVar	HKD	-1436500	57.75	-75305573	-75305573	-82957875	-82957875
3	11992	HK ASIAN DW	HybridVar	HKD	-7500000	0.222	-1573530	-1573530	-1665000	-1665000
4	2	HK STOCK	HybridVar	HKD	54500	73.925	3715448.5	3715449	4028912.5	4028912.5
5	3	HK STOCK	HybridVar	HKD	-284000	12.11	-3427012	-3427012	-3439240	-3439240
6	2345	HK STOCK	FlatRateMargin	HKD	650000	1.42	988000	988000	923000	923000
7	3067	HK STOCK	HybridVar	HKD	833258	16.58	13166099	13166099	13815417.64	13815417.64
8	50620	HK CBBC CALL	HybridVar	HKD	0	0	-3460	-3460	0	0
9	87001	HK STOCK	FlatRateMargin	CNY	131336	2.121	232712	276667	278563.656	331179
10	9010	HK STOCK	HybridVar	USD	-4900	7.865	-38514	-298591	-38538.5	-298781
11	DIV2345	HK DIVIDEND	CaAddonMargin	HKD	0	0	-65000	-65000	0	0
12										

Marginable Position – Hong Kong Market (for illustration)

(c) Positions subject to CA, e.g. cash dividend

CCASS CFIPM01 – Marks And Collateral Collection Report
****** obsolete upon business launch of VaR Platform ******

Cum-all price handling

- CCASS applies "cum-all price" to position subject to CA event

```
(1) CFIPM01     (2) B00001                        HKSCC - CCASS                                (4) RUN DATE : 16
(3) B00001 PARTICIPANT FULL NAME         MARKS AND COLLATERAL COLLECTION REPORT                (5) RUN TIME : 20
                                                                                                   PAGE :

(6) DATE : 16NOV20

                 (8)/(9)
              (10)/(11)/(12)       (13)/(14)          (15)              (16)                (17)
  (7)        STOCK / CURRENCY     QUANTITY / MKT   MARKET VALUE     POSITION AMOUNT      MARKS AMOUNT
 STM DATE  ISIN / MKT / STM POS NUM PRICE (BASE CCY)  (BASE CCY)       (BASE CCY)          (BASE CCY)
 --------- ------------------------- ---------------- ----------------- -----------------  -----------------
 17NOV20  87001  HUI XIAN REIT  (CNY)        65,000        137,865.00        114,090.00-          23,775.00
          HK0000078516 HKMK P78735192        2.12100

                    (18)NET MARKS (PENDING      POS DUE FOR SETTLEMENT ON 17NOV20)  : CNY         23,775.00

                    (19)NET MARKS (PENDING POS) BEFORE CROSS CURRENCY NETTING       : CNY         23,775.00
                    (20)NET MARKS (PENDING POS) AFTER  CROSS CURRENCY NETTING@      : CNY              0.00
                    (21)CREDIT LIMIT APPLIED@@                                      : CNY              0.00
                    (22)MARKS REQUIREMENT (PENDING POS)                             : CNY              0.00

 17NOV20      1  CKH HOLDINGS    (HKD)    1,200,500-    69,328,875.00-     62,855,875.00       6,473,000.00-
          KYG217651051 HKMK P78662872       57.75000
 17NOV20      2  CLP HOLDINGS    (HKD)       85,000      6,283,625.00      5,966,950.00-         316,675.00
          HK0002007356 HKMK P78663110       73.92500
 17NOV20   2345  SHANGHAI PRIME  (HKD)      650,000        988,000.00        988,000.00-              0.00
          CNE100000445 HKMK P78702043        1.52000
 17NOV20  11992  GSCITSE@EC2103A(HKD)     7,500,000-     1,665,000.00-     1,573,530.00          91,470.00-
                       HKMK P78719102        0.22200
 17NOV20  50620  GS#HSI  RC2311V(HKD)             0              0.00          3,460.00           3,460.00 ^
                       HKMK P78728351        0.22400


                    (18)NET MARKS (PENDING      POS DUE FOR SETTLEMENT ON 17NOV20)  : HKD      6,247,795.00-
```

VaR Platform – Marginable Position Report (RMAMP01)

Corporate Action Benefit Entitlement Position

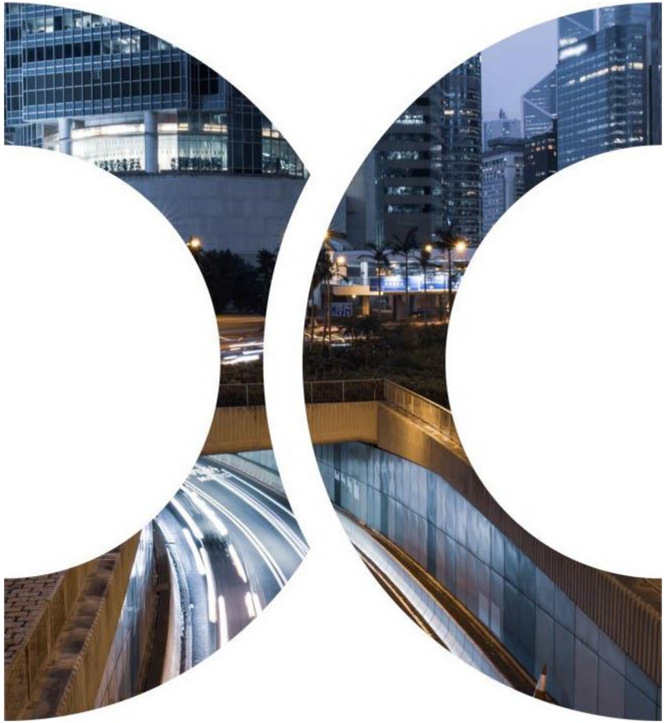
- VaR Platform *does not* apply "cum-all price"; CNS position carries original stock price
- VaR Platform introduces a new position type "CA Benefit Entitlement Position" to reflect CA effect *(see DIV2345 below)*[#].

	M	N	O	P	Q	R	S	T	U	V	W	X
1	(R13) Instrument Code	(R14) Instrument Type	(R15) Margin Type	(R16) Currency	(R17) Quantity	(R18) Instrument Price	(R19) Contract Value	(R20) Contract Value HKD Equivalent	(R21) Market Value	(R22) Market Value HKD Equivalent	(R23) MTM	(R24) MTM HKD Equivalent
2	1	HK STOCK	HybridVar	HKD	-1436500	57.75	-75305573	-75305573	-82957875	-82957875	7652302	7652302
3	11992	HK ASIAN DW	HybridVar	HKD	-7500000	0.222	-1573530	-1573530	-1665000	-1665000	91470	91470
4	2	HK STOCK	HybridVar	HKD	54500	73.925	3715448.5	3715449	4028912.5	4028912.5	-313464	-313464
5	3	HK STOCK	HybridVar	HKD	-284000	12.11	-3427012	-3427012	-3439240	-3439240	12228	12228
6	2345	HK STOCK	FlatRateMargin	HKD	650000	1.42	988000	988000	923000	923000	65000	65000
7	3067	HK STOCK	HybridVar	HKD	833258	16.58	13166099	13166099	13815417.64	13815417.64	-649319	-649319
8	50620	HK CBBC CALL	HybridVar	HKD	0	0	-3460	-3460	0	0	-3460	-3460
9	87001	HK STOCK	FlatRateMargin	CNY	131336	2.121	232712	276667	278563.656	331179	-45852	-54512
10	9010	HK STOCK	HybridVar	USD	-4900	7.865	-38514	-298591	-38538.5	-298781	25	190
11	DIV2345	HK DIVIDEND	CaAddonMargin	HKD	0	0	-65000	-65000	0	0	-65000	-65000
12												

Note: "DIV2345" indicates that Stock 2345 subject to cash dividend of @ HK$0.1 per share (contract value of "DIV2345" divided by quantity of Stock 2345), it will be shown on the Ex-Date day-end report

[#] For the detail of relevant calculations for CA Benefit Entitlement Position, refers to Initial Margin Calculation Guide

02 | MTM Requirement



MTM Requirement

(a) Requirement Amount

CCASS – Marks And Collateral Collection Report (CFIPM01)
****** obsolete upon business launch of VaR Platform ******

<u>Total marks and collateral requirement (22) & (26)</u>

- Show in trading currency
- Marks calculated with Credit Limit shown as "Pending Marks" and "Overdue Marks", *<u>offsetting not applicable</u>*
- Abnormal positions are *<u>excluded</u>* from marks calculation in CCASS

```
(1) CFIPM01    (2) B00001                              HKSCC - CCASS                                    (4) RUN DATE : 16NOV20
(3) B00001 PARTICIPANT FULL NAME              MARKS AND COLLATERAL COLLECTION REPORT                    (5) RUN TIME : 20:35:26
                                                                                                             PAGE :      2

(6) DATE : 16NOV20

                      (8)/(9)
                   (10)/(11)/(12)          (13)/(14)          (15)                 (16)                   (17)
   (7)             STOCK / CURRENCY        QUANTITY / MKT     MARKET VALUE         POSITION AMOUNT        MARKS AMOUNT
 STM DATE   ISIN / MKT / STM POS NUM      PRICE (BASE CCY)    (BASE CCY)           (BASE CCY)             (BASE CCY)
---------  -------------------------  ----------------  ------------------  ------------------  ------------------
 18NOV20        2  CLP HOLDINGS  (HKD)        30,500-       2,254,712.50-        2,251,501.50             3,211.00-
           HK0002007356 HKMK P78714196        73.92500
 18NOV20        3  HK & CHINA GAS (HKD)      284,000-       3,439,240.00-        3,427,012.00            12,228.00-
           HK0003000038 HKMK P78714197        12.11000

                                  (18)NET MARKS (PENDING      POS DUE FOR SETTLEMENT ON 18NOV20)  : HKD        15,439.00-

                                  (19)NET MARKS (PENDING POS) BEFORE CROSS CURRENCY NETTING       : HKD     6,263,234.00-
                                  (20)NET MARKS (PENDING POS) AFTER  CROSS CURRENCY NETTING@      : HKD     6,235,479.00-
                                  (21)CREDIT LIMIT APPLIED@@                                      : HKD             0.00
                                  (22)MARKS REQUIREMENT (PENDING POS)                             : HKD     6,235,479.00
 17NOV20     9010  ISHARES AXJ-U  (USD)        4,900-          38,538.50-           38,514.00                24.50-
           HK0000310042 HKMK P78714198         7.86500

                                  (18)NET MARKS (PENDING      POS DUE FOR SETTLEMENT ON 17NOV20)  : USD            24.50-

                                  (19)NET MARKS (PENDING POS) BEFORE CROSS CURRENCY NETTING       : USD            24.50-
                                  (20)NET MARKS (PENDING POS) AFTER  CROSS CURRENCY NETTING@      : USD            24.50-
                                  (21)CREDIT LIMIT APPLIED@@                                      : USD            24.50
                                  (22)MARKS REQUIREMENT (PENDING POS)                             : USD             0.00

 16NOV20        1  CKH HOLDINGS   (HKD)       236,000-      13,629,000.00-       12,449,698.00         1,179,302.00-
           KYG217651051 HKMK P74209086        57.75000

                                  (23)NET MARKS (DUE / OVERDUE POS DUE FOR SETTLEMENT ON 16NOV20)  : HKD     1,179,302.00-

                                  (24)NET MARKS (DUE / OVERDUE POS) BEFORE CROSS CURRENCY NETTING  : HKD       529,983.36-
                                  (25)NET MARKS (DUE / OVERDUE POS) AFTER  CROSS CURRENCY NETTING@ : HKD       504,211.00-

                                  (26)MARKS REQUIREMENT (DUE / OVERDUE POS)                        : HKD       504,211.00
```

VaR Platform – MTM and Margin Requirement Report & Summary Version (RMAMR01 & RMAMR03)

<u>MTM Requirement (R30 on RMAMR01 / R14 on RMAMR03)</u>

- Show in HKD equivalent (after haircut#) under Favorable MTM (R26) or / R14 on RMAMR03) column MTM Requirement (R30 on RMAMR01. VaR Platform *<u>applies netting</u>* among all positions
- Abnormal positions are *<u>included</u>* in cross-day netted CNS positions for MTM calculation
- Credit Limit *<u>not applicable</u>* to MTM calculation in VaR Platform

RMAMR01

		Z	AA	AB	AC	AD
1	(R25) Rounded Aggregated Market-risk-component Margin	(R26) Favorable MTM	(R27) Net Margin	(R28) Margin Credit Utilized	(R29) Net Margin After Credit	(R30) MTM Requirement
2	5200000	0	5200000	5000000	200000	6737196

RMAMR03

	N	O	P	Q	R
1	(R14) MTM Requirement	(R15) Portfolio Margin	(R16) Flat Rate Margin	(R17) Corporate Action Position Margin	(R18) Margin Add-ons
2	6737196	5069120	126656	0	0

#CP can reference to Collateral Parameters Information List (CCMIR02) for the exchange rate haircut

MTM Requirement

(b) Position Level Details

CCASS – Marks And Collateral Collection Report (CFIPM01)
****** obsolete upon business launch of VaR Platform ******

Marks on position level (17)

- Show in trading currency
- Abnormal positions are *excluded* from marks calculation

```
(1) CFIPM01    (2) B00001                    HKSCC - CCASS                          (4) RUN DATE : 16
(3) B00001 PARTICIPANT FULL NAME      MARKS AND COLLATERAL COLLECTION REPORT        (5) RUN TIME : 20
                                                                                        PAGE :

(6) DATE : 16NOV20

                 (8)/(9)
            (10)/(11)/(12)        (13)/(14)           (15)              (16)               (17)
   (7)      STOCK / CURRENCY    QUANTITY / MKT      MARKET VALUE     POSITION AMOUNT     MARKS AMOUNT
 STM DATE ISIN / MKT / STM POS NUM PRICE (BASE CCY)   (BASE CCY)        (BASE CCY)        (BASE CCY)
--------- ------------------------ --------------- ----------------- ----------------- -----------------
 17NOV20  87001  HUI XIAN REIT  (CNY)       65,000        137,865.00        114,090.00-         23,775.00
          HK0000078516 HKMK P78735192      2.12100

                  (18)NET MARKS (PENDING      POS DUE FOR SETTLEMENT ON 17NOV20)  : CNY          23,775.00

                  (19)NET MARKS (PENDING POS) BEFORE CROSS CURRENCY NETTING       : CNY          23,775.00
                  (20)NET MARKS (PENDING POS) AFTER  CROSS CURRENCY NETTING@      : CNY               0.00
                  (21)CREDIT LIMIT APPLIED@@                                      : CNY               0.00
                  (22)MARKS REQUIREMENT (PENDING POS)                             : CNY               0.00

 17NOV20      1  CKH HOLDINGS   (HKD)    1,200,500-   69,328,875.00-     62,855,875.00       6,473,000.00-
          KYG217651051 HKMK P78662872     57.75000
 17NOV20      2  CLP HOLDINGS   (HKD)       85,000     6,283,625.00       5,966,950.00-        316,675.00
          HK0002007356 HKMK P78663110     73.92500
 17NOV20   2345  SHANGHAI PRIME (HKD)      650,000       988,000.00         988,000.00-              0.00
          CNE100000445 HKMK P78702043      1.52000
 17NOV20  11992  GSCITSE@EC2103A(HKD)    7,500,000-    1,665,000.00-      1,573,530.00          91,470.00-
                       HKMK P78719102      0.22200
 17NOV20  50620  GS#HSI  RC2311V(HKD)            0             0.00           3,460.00           3,460.00 ^
                       HKMK P78728351      0.22400
--------- ------------------------ --------------- ----------------- ----------------- -----------------
 16NOV20  87001  HUI XIAN REIT  (CNY)       66,336       140,698.66         118,622.00-         22,076.66
          HK0000078516 HKMK P74289608      2.12100

 13NOV20   3067  ISHARESHSTECH  (HKD)      833,258    13,815,417.64      13,166,099.00-        649,318.64
          HK0000651213 HKMK P74017918     16.58000

                  (23)NET MARKS (DUE / OVERDUE POS DUE FOR SETTLEMENT ON 13NOV20)  : HKD        649,318.64

 16NOV20      1  CKH HOLDINGS   (HKD)      236,000-   13,629,000.00-     12,449,698.00       1,179,302.00-
          KYG217651051 HKMK P74209086     57.75000

                  (23)NET MARKS (DUE / OVERDUE POS DUE FOR SETTLEMENT ON 16NOV20)  : HKD      1,179,302.00-

REMARKS:
    ^ ABNORMAL POSITION WILL BE EXCLUDED FROM MARKS CALCULATION.
```

VaR Platform – Marginable Position Report (RMAMP01)

MTM (R23)

- Show in trading currency and HKD equivalent (without haircut[#]) (Please see RMAMR01 or RMAMR03 for MTM in HKD after haircut).
- Abnormal positions are *included* in cross day netted CNS positions for MTM calculation

	M	P	Q	R	S	T	U	V	W	X
1	(R13) Instrument Code	(R16) Currency	(R17) Quantity	(R18) Instrument Price	(R19) Contract Value	(R20) Contract Value HKD Equivalent	(R21) Market Value	(R22) Market Value HKD Equivalent	(R23) MTM	(R24) MTM HKD Equivalent
2	1	HKD	-1436500	57.75	-75305573	-75305573	-82957875	-82957875	7652302	7652302
3	11992	HKD	-7500000	0.222	-1573530	-1573530	-1665000	-1665000	91470	91470
4	2	HKD	54500	73.925	3715448.5	3715449	4028912.5	4028912.5	-313464	-313464
5	3	HKD	-284000	12.11	-3427012	-3427012	-3439240	-3439240	12228	12228
6	2345	HKD	650000	1.42	988000	988000	923000	923000	65000	65000
7	3067	HKD	833258	16.58	13166099	13166099	13815417.64	13815417.64	-649319	-649319
8	50620	HKD	0	0	-3460	-3460	0	0	-3460	-3460
9	87001	CNY	131336	2.121	232712	276667	278563.656	331179	-45852	-54512
10	9010	USD	-4900	7.865	-38514	-298591	-38538.5	-298781	25	190
11	DIV2345	HKD	0	0	-65000	-65000	0	0	-65000	-65000
12										

[#] CP can reference to Series Price Report (DWH0305) for the exchange rate

MTM Requirement

(c) Intraday MTM Requirement – *Please make reference to slide 9*

Newly added section (c)

CCASS – Intra-Day Marks and Collateral Collection Report (CRMIM01)
**** obsolete upon business launch of VaR Platform ****

Intraday Marks requirement (23)

- Tolerance Limit of HKD $5 million, applicable to Marks only

VaR Platform – MTM and Margin Requirement Report & Summary Version (RMAMR01 & RMAMR03)

MTM Requirement (R30 on RMAMR01 / R14 on RMAMR03)

- Tolerance Limit of HKD $5 million, applicable to both MTM and Margin (if any change in Margin)

```
(1) CRMIM01    (2) B00001                          HKSCC - CCASS                                 (4) RUN DATE : 16NOV20
(3) B00001 PARTICIPANT FULL NAME          INTRA-DAY MARKS AND COLLATERAL COLLECTION REPORT       (5) RUN TIME : 11:02:46
                                                                                                        PAGE :      2

(6) DATE : 16NOV20    (7) SNAPSHOT TIME : 11.00.00

                  (9)/(10)
               (11)/(12)/(13)          (14)/(15)          (16)               (17)                (18)
   (8)        STOCK / CURRENCY       QUANTITY / MKT     MARKET VALUE      POSITION AMOUNT       MARKS AMOUNT
 STM DATE  ISIN / MKT / STM POS NUM  PRICE (BASE CCY)     (BASE CCY)         (BASE CCY)          (BASE CCY)
 --------- ----------------------- ---------------- ----------------   ----------------    -----------------
 18NOV20        2  CLP HOLDINGS    (HKD)     30,500-       2,254,712.50-     2,251,501.50              3,211.00-
            HK0002007356 HKMK P78714196      73.92500
 18NOV20        3  HK & CHINA GAS (HKD)     284,000-       3,439,240.00-     3,427,012.00             12,228.00-
            HK0003000038 HKMK P78714197      12.11000

                         (19)NET MARKS (PENDING       POS DUE FOR SETTLEMENT ON 18NOV20)  : HKD        15,439.00-

                         (20)NET MARKS (PENDING POS) BEFORE CROSS CURRENCY NETTING         : HKD     6,263,234.00-
                         (21)NET MARKS (PENDING POS) AFTER  CROSS CURRENCY NETTING@        : HKD     6,235,479.00-
                         (22)CREDIT LIMIT APPLIED@@                                        : HKD             0.00
                         (23)MARKS REQUIREMENT (PENDING POS)                               : HKD     6,235,479.00

 17NOV20     9010  ISHARES AXJ-U  (USD)       4,900-          38,538.50-        38,514.00                 24.50-
            HK0000310042 HKMK P78714198       7.86500

                         (19)NET MARKS (PENDING       POS DUE FOR SETTLEMENT ON 17NOV20)  : USD            24.50-

                         (20)NET MARKS (PENDING POS) BEFORE CROSS CURRENCY NETTING         : USD            24.50-
                         (21)NET MARKS (PENDING POS) AFTER  CROSS CURRENCY NETTING@        : USD            24.50-
                         (22)CREDIT LIMIT APPLIED@@                                        : USD            24.50
                         (23)MARKS REQUIREMENT (PENDING POS)                               : USD             0.00
```

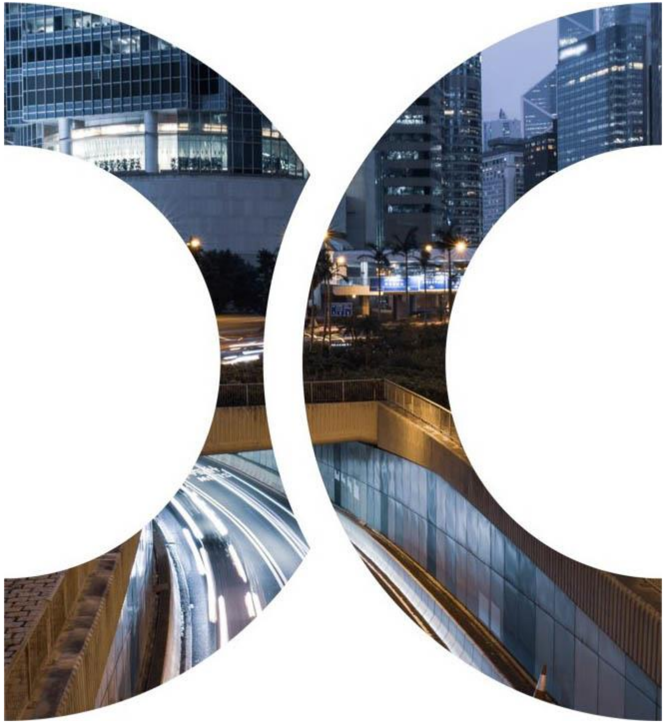
RMAMR01

		Z	AA	AB	AC	AD
1	(R25) Rounded Aggregated Market-risk-component Margin	(R26) Favorable MTM	(R27) Net Margin	(R28) Margin Credit Utilized	(R29) Net Margin After Credit	(R30) MTM Requirement
2	5200000	0	5200000	5000000	200000	6737196

RMAMR03

	N	O	P	Q	R
1	(R14) MTM Requirement	(R15) Portfolio Margin	(R16) Flat Rate Margin	(R17) Corporate Action Position Margin	(R18) Margin Add-ons
2	6737196	5069120	126656	0	0

03 | Margin Requirement



Margin Requirement

(a) Margin Amount

CCASS – Margin Payable Report (CRMMG02)
**** obsolete upon business launch of VaR Platform ****

<u>Margin Requirement (76)</u>

- Show in trading currency

VaR Platform – MTM and Margin Requirement Report (RMAMR01)

<u>Net Margin After Credit (R29)</u>

- Always in HKD with portfolio margining

(72)MARGINING POSITION:	CNY :	278,563.66
	HKD :	88,062,115.00
	USD :	38,538.50
(73)MARGIN BEFORE MARKS OFFSET AND MARGIN CREDIT AT MARGIN RATE 6.00% & MARGIN MULTIPLIER OF 1.0000	CNY :	16,713.82
	HKD :	5,153,774.70
	USD :	2,312.31
(74)FAVORABLE MARKS FOR OFFSET MARGIN	CNY :	0.00
	HKD :	0.00
	USD :	0.00
(75)MARGIN CREDIT APPLIED	CNY :	16,093.78
	HKD :	4,962,583.36
	USD :	2,226.53
(76)MARGIN REQUIREMENT INCLUDING EOT	CNY :	620.04
	HKD :	191,191.34
	USD :	85.78

	M	Y	Z	AA	AB	AC	AD
1	(R13) Currency	(R25) Rounded Aggregated Market-risk-component Margin	(R26) Favorable MTM	(R27) Net Margin	(R28) Margin Credit Utilized	(R29) Net Margin After Credit	(R30) MTM Requirement
2	HKD	5200000	0	5200000	5000000	200000	6737196
3							

Margin Requirement

(b) Flat Rate Margin Multiplier

CCASS – Margin Payable Report (CRMMG02)
***** obsolete upon business launch of VaR Platform *****

Margin Multiplier (73)

- Margin Multiplier based on existing risk model in CCASS

```
(72)MARGINING POSITION:                                               CNY :      278,563.66
                                                                      HKD :  88,062,115.00
                                                                      USD :      38,538.50

(73)MARGIN BEFORE MARKS OFFSET AND MARGIN CREDIT AT MARGIN RATE   6.00% & MARGIN   CNY :   16,713.82
MULTIPLIER OF   1.0000                                                HKD :   5,153,774.70
                                                                      USD :       2,312.31

(74)FAVORABLE MARKS FOR OFFSET MARGIN                                 CNY :           0.00
                                                                      HKD :           0.00
                                                                      USD :           0.00

(75)MARGIN CREDIT APPLIED                                             CNY :      16,093.78
                                                                      HKD :   4,962,583.36
                                                                      USD :       2,226.53

(76)MARGIN REQUIREMENT INCLUDING EOT                                  CNY :         620.04
                                                                      HKD :     191,191.34
                                                                      USD :          85.78
```

VaR Platform – MTM and Margin Requirement Report (RMAMR01)

Flat Rate Margin Multiplier (R18)

- Margin Multiplier to be applied under the new risk model, which is subject to change
- CP can reference to Daily Margin Multiplier Report (DWH0081C) for the updated flat rate margin multiplier & the effective date

	M	N	O	P	Q	R	S	
1	(R13) Currency	(R14) Portfolio Margin before Floor	(R15) Portfolio Margin Floor	(R16) Portfolio Margin	(R17) Flat Rate Margin before Multiplier	(R18) Flat Rate Margin Multiplier	(R19) Flat Rate Margin	(F C P
2	HKD	5069120	1550010	5069120	126656	1	126656	
3								

Sample of Daily Participant Margin Multiplier Report (DWH0081C)

HKEX
香港交易所

Daily Participant Margin Multiplier Report

15 Dec 2020

Daily Review:

Review Date	Participant ID	Participant Name	Current Flat Rate Margin Multiplier as of Review Date	New Flat Rate Margin Multiplier	New Flat Rate Margin Multiplier Effective Date
20201215	B00013	ABC Company	2.00	1.00	20201217

Margin Requirement

(c) Requirement before Favorable Marks and Margin Credit

Updates highlighted in purple, moved from slide 16

CCASS – Margin Payable Report (CRMMG02)
****** obsolete upon business launch of VaR Platform *****

Margin before marks offset and margin credit (73)
- Margin calculated based on its trading currency
- Margin rate used in CCASS, for example 6%

VaR Platform – MTM and Margin Requirement Report (RMAMR01)

Rounded Aggregated Market-risk-component Margin (R25)
- Margin calculated in HKD, and rounded up to nearest HK$10,000
- Aggregating : Portfolio Margin (R16), Flat Rate Margin (R19), Corporate Action Position Margin (R20), with various Add-ons (R22-R24)
- During familiarisation period, "Flat rate margin" = ***12%*** in VaR Platform

(72)MARGINING POSITION:	CNY :	278,563.66
	HKD :	88,062,115.00
	USD :	38,538.50
(73)MARGIN BEFORE MARKS OFFSET AND MARGIN CREDIT AT MARGIN RATE 6.00% & MARGIN MULTIPLIER OF 1.0000	CNY :	16,713.82
	HKD :	5,153,774.70
	USD :	2,312.31
(74)FAVORABLE MARKS FOR OFFSET MARGIN	CNY :	0.00
	HKD :	0.00
	USD :	0.00
(75)MARGIN CREDIT APPLIED	CNY :	16,093.78
	HKD :	4,962,583.36
	USD :	2,226.53
(76)MARGIN REQUIREMENT INCLUDING EOT	CNY :	620.04
	HKD :	191,191.34
	USD :	85.78

RMAMR01

	M	P	S	T	U	V	W	X	
1	(R13) Currency	(R16) Portfolio Margin	(R19) Flat Rate Margin	(R20) Corporate Action Position Margin	(R21) Initial Margin	(R22) Liquidation Risk Add-on	(R23) Structured Product Add-on	(R24) Holiday Add-on	(R25) Rounded Aggregated Market-risk-component Margin
2	HKD	5069120	126656	0	5195776	0	0	0	5200000

Margin Requirement

(d) Favorable Marks

CCASS – Margin Payable Report (CRMMG02)
**** obsolete upon business launch of VaR Platform ****

Favorable marks for offset margin (74)

- Show in trading currency

(72)MARGINING POSITION:	CNY :	278,563.66
	HKD :	88,062,115.00
	USD :	38,538.50
(73)MARGIN BEFORE MARKS OFFSET AND MARGIN CREDIT AT MARGIN RATE 6.00% & MARGIN MULTIPLIER OF 1.0000	CNY :	16,713.82
	HKD :	5,153,774.70
	USD :	2,312.31
(74)FAVORABLE MARKS FOR OFFSET MARGIN	CNY :	0.00
	HKD :	0.00
	USD :	0.00
(75)MARGIN CREDIT APPLIED	CNY :	16,093.78
	HKD :	4,962,583.36
	USD :	2,226.53
(76)MARGIN REQUIREMENT INCLUDING EOT	CNY :	620.04
	HKD :	191,191.34
	USD :	85.78

VaR Platform – MTM and Margin Requirement Report (RMAMR01)

Favorable MTM (R26)

- Always in HKD (after haircut)

	M	Y	Z	AA	AB	AC	AD
1	(R13) Currency	(R25) Rounded Aggregated Market-risk-component Margin	(R26) Favorable MTM	(R27) Net Margin	(R28) Margin Credit Utilized	(R29) Net Margin After Credit	(R30) MTM Requirement
2	HKD	5200000	0	5200000	5000000	200000	6737196

Margin Requirement

(e) Margin Credit

CCASS – Margin Payable Report (CRMMG02)
***** obsolete upon business launch of VaR Platform *****

Margin credit applied (75)

- Pro-rata by respective trading currencies

(72)MARGINING POSITION:	CNY :	278,563.66
	HKD :	88,062,115.00
	USD :	38,538.50
(73)MARGIN BEFORE MARKS OFFSET AND MARGIN CREDIT AT MARGIN RATE 6.00% & MARGIN MULTIPLIER OF 1.0000	CNY :	16,713.82
	HKD :	5,153,774.70
	USD :	2,312.31
(74)FAVORABLE MARKS FOR OFFSET MARGIN	CNY :	0.00
	HKD :	0.00
	USD :	0.00
(75)MARGIN CREDIT APPLIED	CNY :	16,093.78
	HKD :	4,962,583.36
	USD :	2,226.53
(76)MARGIN REQUIREMENT INCLUDING EOT	CNY :	620.04
	HKD :	191,191.34
	USD :	85.78

VaR Platform – MTM and Margin Requirement Report (RMAMR01)

Margin Credit Utilized (R28)

- VaR Platform handle margin calculation and margin credit in HKD only

	M	Y	Z	AA	AB	AC	AD
1	(R13) Currency	(R25) Rounded Aggregated Market-risk-component Margin	(R26) Favorable MTM	(R27) Net Margin	(R28) Margin Credit Utilized	(R29) Net Margin After Credit	(R30) MTM Requirement
2	HKD	5200000	0	5200000	5000000	200000	6737196

Margin Requirement

(f) Concentration Collateral Requirement vs Liquidation Risk Add-on

CCASS – Marks And Collateral Collection Report (CFIPM01)
**** obsolete upon business launch of VaR Platform ****

Concentration Collateral Requirement (37)

- Show in trading currency

VaR Platform – MTM and Margin Requirement Report (RMAMR01)

Liquidation Risk Add-on (R22)

- Always in HKD
- VaR Platform introduces Liquidation Risk Add-on[1] to replace the existing Concentration Collateral in CCASS

```
CFIPM01     B00003                                      HKSCC - CCASS                              RUN DATE : 16NOV20
B00003 PARTICIPANT FULL NAME                MARKS AND COLLATERAL COLLECTION REPORT                    RUN TIME : 20:35:56
                                                                                                     PAGE :    111

DATE : 16NOV20

(27)LIQUID CAPITAL (HKD)          :  100,000,000.00
(28)CONC COLLATERAL THRESHOLD (HKD):    5,000,000.00    (29)CONC COLLATERAL THRESHOLD %:  200.00   (30)MARKET VOLATILITY %:  10

                                             (32)/(33)                (34)                     (35)
              (31)                        CCY / CNS NET LONG       MARKS AMOUNT             CONC COLLATERAL
        STOCK / ISIN CODE                 POS AMT (BASE CCY)       (BASE CCY)            REQUIRED (BASE CCY)
---------------------------------     ---------------------     -----------------        ------------------
67314 HS#MTUANRC2109A HK0000652047        HKD      258,850.00-          5,900.00-                     0.00
67366 HS#SMIC  RC2109B HK0000652088       HKD       34,200.00-         14,800.00                      0.00
68351 HS#BYD   RC2108B HK0000675055       HKD       40,750.00-          1,500.00                      0.00
68841 HS#MTUANRC2104D HK0000657244        HKD       55,900.00-          3,950.00                      0.00
69192 HS#JDCOMRP2107C HK0000673555        HKD       64,425.00-          4,075.00-                     0.00
69625 HS#HSCEIRP2104B HK0000675758        HKD      143,090.00-            790.00-                     0.00

                                     (36)CONCENTRATION COLLATERAL (CNS NET LONG POS)          : CNY       0.00
                                                                                              : HKD       0.00
                                                                                              : USD       0.00

                                     (37)CONCENTRATION COLLATERAL REQUIREMENT                 : CNY       0.00
                                                                                              : HKD       0.00
                                                                                              : USD       0.00
```

RMAMR01

	U	V	W	X	Y
1	(R21) Initial Margin	(R22) Liquidation Risk Add-on	(R23) Structured Product Add-on	(R24) Holiday Add-on	(R25) Rounded Aggregated Market-risk-component Margin
2	5195776	0	0	0	5200000

1. The detail of liquidation risk add-on can be referred to the Initial Margin Calculation Guide which is available in the designated web corner on HKEX website.

Margin Requirement

Newly added section (g)

(g) Additional Cash Collateral Requirement vs Position Limit Add-on

CCASS – Additional Cash Collateral Payable Report (CRMAC01)
****** obsolete upon business launch of VaR Platform *****

Additional Cash Collateral Requirement (16)

- Applicable if overall CNS exceed 4 x Liquid Capital

```
CRMAC01      B00003                                   HKSCC - CCASS                                     RUN DA
B00003 PARTICIPANT FULL NAME              ADDITIONAL CASH COLLATERAL PAYABLE REPORT                     RUN TI
                                                                                                            PA

DATE : 16NOV20

(7)  TOTAL CROSS-DAY NET CNS POSITIONS                              : HKD       109,421,900.00
(8)  ADJUSTMENT IN SSC                                              : HKD        10,000,000.00
(9)  ADJUSTMENT IN SCC                                              : HKD                 0.00
(10) TOTAL CROSS-DAY NET CNS POSITIONS AFTER ADJUSTMENT             : HKD        99,421,900.00
(11) POSITION LIMIT                                                 : HKD        90,419,710.00
(12) EXCESS AMOUNT                                                  : HKD           902,000.00
(13) MARGIN RATE (%)                                                :                     6.00
(14) APPLICABLE RATE (%)                                            :                    25.00
(15) MINIMUM CASH COLLATERAL REQUIREMENT                            : HKD            10,000.00
(16) ADDITIONAL CASH COLLATERAL REQUIREMENT                         : HKD            13,530.00
(17) OTHER COLLATERAL                                               : HKD                 0.00
(18) ADDITIONAL CASH COLLATERAL ON HAND (EXCLUDED OTHER COLLATERAL) : HKD             8,000.00
(19) ADDITIONAL CASH COLLATERAL TO BE (COLLECTED) / REFUNDED*       : HKD             5,530.00-
* FOR -VE VALUE, AMOUNT TO BE COLLECTED VIA DAY-END DDI
  FOR +VE VALUE, AMOUNT TO BE REFUNDED BY RELEASING SURPLUS AMOUNT AS GENERAL CASH COLLATERAL BEFORE DAY-END C
```

VaR Platform – MTM and Margin Requirement Report (RMAMR01)

Position Limit Add-on (R22)

- Similar risk will be captured by Position Limit Add-on

RMAMR01

	AC	AD	AE	AF	
1	(R29) Net Margin After Credit	(R30) MTM Requirement	(R31) Position Limit Add-on	(R32) Credit Risk Add-on	(R3 Ad Ad
2	200000	6737196	13245	0	
3					

2. The detail of position limit add-on can be referred to the Initial Margin Calculation Guide which is available in the designated web corner on HKEX website.

Margin Requirement

(h) Total Requirement for Collateralisation Calculation in CCASS – pay through HKSCC only

CCASS – Posting / Collateralisation Result Report (CCMPY02)

**** (17) Obligation Type / Ledger Posting Transaction Type and (18) Currency will be enhanced upon business launch of VaR Platform ****

VaR Platform – MTM and Margin Requirement Report (RMAMR01)

Case 1: CP is not opting for payment of additional marks and margin due to EOT through SEOCH

```
(1) CCMPY02                                   HKEX - CCMS                               (2) RUN DATE : 16NO
                                   POSTING / COLLATERALISATION RESULT REPORT            (3) RUN TIME : 21:0
                                                                                            PAGE :

(4) CCMS DATE         :  16NOV20
(5) CLEARING HOUSE    :  HKSCC
(6) PAYMENT BATCH NO  :  0014

(7) FIRM NAME  :
(8) PART NAME  :   B00001 PARTICIPANT FULL NAME

 (9)      (10)      (11)      (12)      (13)
FIRM ID  PART ID  A/C TYPE   A/C NO   A/C STATUS
-------  -------  --------   ------   ----------
BF00001  B00001     HSE       0001        A

****************************************************************************************************
(14) COLLATERALISATION BATCH:  088550    COLLATERALISATION DATE:   16NOV20     START TIME:   21:03    END TIME:   21:03

PRODUCT INVOLVED
================

(15) PRODUCT CODE :    CASH

TRANSACTION SOURCE
==================

OBLIGATION COLLATERALISATION
----------------------------
  (16)                   (15)      (17)      (18)         (19)          (19a)      (19b)          (19c)
PART ID/CUST A/C CODE   PRODUCT   OB/TXN     CCY         AMOUNT       ORG CCY   ORG AMOUNT      EX RATE
---------------------   -------   -------    ---   ---------------    -------  ------------   -----------
B00001                  CASH      MARGN      HKD      6,937,196.00
```

RMAMR01

	AH	AI	AJ
1	(R34) Total MTM and Margin Requirement	(R35) Total EOT MTM and Margin Requirement to be collected through SEOCH	(R36) Total MTM and Margin Requirement to be collected through HKSCC
2	6937196	30000	6907196

For collateralisation calculation in CCASS

For Information Only

Margin Requirement

(i) Total Requirement for Collateralisation Calculation in CCASS – through SEOCH & HKSCC

CCASS – Posting / Collateralisation Result Report (CCMPY02)

**** (17) Obligation Type / Ledger Posting Transaction Type and (18) Currency will be enhanced upon business launch of VaR Platform ****

VaR Platform – MTM and Margin Requirement Report (RMAMR01)

Case 2: CP is opting for payment of additional marks and margin due to EOT through SEOCH

```
(1) CCMPY02
                                        POSTING / COLLATERALISATION RESULT REPORT

(4) CCMS DATE          :   16NOV20
(5) CLEARING HOUSE     :   HKSCC
(6) PAYMENT BATCH NO :     0014

(7) FIRM NAME   :
(8) PART NAME   :     B00001 PARTICIPANT FULL NAME

 (9)        (10)        (11)        (12)       (13)
FIRM ID    PART ID    A/C TYPE     A/C NO    A/C STATUS
-------    -------    --------     ------    ----------
BF00001    B00001       HSE         0001          A
*************************************************************************************
(14) COLLATERALISATION BATCH:  088550      COLLATERALISATION DATE:     16NOV20        STAR

PRODUCT INVOLVED
================
(15) PRODUCT CODE :      CASH

TRANSACTION SOURCE
==================

OBLIGATION COLLATERALISATION
----------------------------
   (16)                     (15)         (17)        (18)             (19)            (19a)
PART ID/CUST A/C CODE     PRODUCT       OB/TXN       CCY             AMOUNT          ORG CCY
---------------------     -------    ----------      ---    -------------------     -------
B00001                    CASH          MARGN        HKD          6,907,196.00
```

RMAMR01

	AH	AI	AJ
1	(R34) Total MTM and Margin Requirement	(R35) Total EOT MTM and Margin Requirement to be collected through SEOCH	(R36) Total MTM and Margin Requirement to be collected through HKSCC
2	6937196	30000	6907196
3			

For collateralisation calculation in CCASS

```
                                                                              (2) RUN DATE :
                                                                              (3) RUN TIME :
                                                                                  PAGE :
(4) CCMS DATE          :   16NOV20
(5) CLEARING HOUSE     :   SEOCH
(6) PAYMENT BATCH NO :     0019

(7) FIRM NAME   :
(8) PART NAME   :     HKZZZ2 PARTICIPANT FULL NAME

 (9)        (10)        (11)        (12)       (13)
FIRM ID    PART ID    A/C TYPE     A/C NO    A/C STATUS
-------    -------    --------     ------    ----------
BF00001    HKZZZ2       HSE         0001          A

*********************************************************************************************************
(14) COLLATERALISATION BATCH:  088551      COLLATERALISATION DATE:     16NOV20        START TIME:   21:03      END TIME:    21:

MERGED AND NETTED PRE-POSTING LEDGERS / OBLIGATIONS
===================================================

EOT SPECIAL-USE PLEDGING RESULT
-------------------------------
(56)    (57)        (58)              (59)                (60)              (61)                     (62)
CCY    SU CODE  REQ PLEDGING AMT  ACTUAL PLEDGED AMT     DDI AMT      CONVERTED AMT IN HKD     FINAL DDI AMT PER CCY
---    -------  ----------------  ------------------  ------------   --------------------     ---------------------
HKD     EMG          30,000.00             0.00         30,000.00                   0.00                 30,000.00
                     30,000.00             0.00         30,000.00  (SUB-TOTAL)                           30,000.00
```

For collateralisation calculation in CCMS *(for payment through SEOCH)*

Newly added section (j)

Margin Requirement

(j) Intraday Total MTM and Margin Requirement for Collateralisation Calculation in CCASS

CCASS – Posting / Collateralisation Result Report (CCMPY01)

**** (17) Obligation Type / Ledger Posting Transaction Type and (18) Currency will be enhanced upon business launch of VaR Platform ****

VaR Platform – MTM and Margin Requirement Report (RMAMR01)

For Intraday

```
(1) CCMPY01                                  HKEX - CCMS                          (2) RUN DATE : 16NOV20
                                POSTING / COLLATERALISATION RESULT REPORT            (3) RUN TIME : 11:37:16
                                                                                         PAGE :     1
(4) CCMS DATE        :   16NOV20
(5) CLEARING HOUSE   :   HKSCC
(6) PAYMENT BATCH NO :   0004

(7) FIRM NAME  :
(8) PART NAME  :   B00001 PARTICIPANT FULL NAME

 (9)      (10)      (11)       (12)     (13)
FIRM ID   PART ID   A/C TYPE   A/C NO   A/C STATUS
-------   -------   --------   ------   ----------
BF00001   B00001      HSE       0001        A
*****************************************************************************************************************
(14) COLLATERALISATION BATCH:  088520     COLLATERALISATION DATE:    16NOV20       START TIME:   11:33     END TIME:   11:33

PRODUCT INVOLVED
================
(15) PRODUCT CODE :    CASH

TRANSACTION SOURCE
==================

OBLIGATION COLLATERALISATION
----------------------------
  (16)                    (15)      (17)       (18)          (19)           (19a)       (19b)             (19c)
PART ID/CUST A/C CODE    PRODUCT   OB/TXN      CCY          AMOUNT         ORG CCY    ORG AMOUNT         EX RATE
--------------------    -------  ----------    ---    -------------------  -------  ------------------  ---------------
B00001                   CASH       MARGN      HKD            6,937,196.00
```

RMAMR01

	AH	AI	AJ
1	(R34) Total MTM and Margin Requirement	(R35) Total EOT MTM and Margin Requirement to be collected through SEOCH	(R36) Total MTM and Margin Requirement to be collected through HKSCC
2	6937196	0	6937196

For collateralisation calculation in CCASS

Margin Requirement

(k) Margin Shortfall and Refund

CCASS – Margin Payable Report (CRMMG02)
***** obsolete upon business launch of VaR Platform *****

```
SECTION G   MARGIN SHORTFALL

(79)MARGIN SHORTFALL IN RESPECTIVE CURRENCY**                                  CNY :      189,031.00
                                                                               HKD :   67,206,618.00
                                                                               USD :        8,116.00

(80)MARGIN SHORTFALL TO BE COLLECTED BY HKSCC VIA DDI                          CNY :            0.00
                                                                               HKD :   67,503,818.00
                                                                               USD :            0.00

(81)ADDITIONAL MARGIN REQUIREMENT DUE TO EOT TO BE COLLECTED BY SEOCH           CNY :            0.00
                                                                               HKD :            0.00
                                                                               USD :            0.00

SECTION H   REFUND OF MARGIN AS PART OF CASH PREPAYMENT

(82)MARGIN TO BE REFUNDED ON NEXT SETTLEMENT DAY IF STANDING INSTRUCTION FOR CASH   HKD :       0.00
PREPAYMENT IS SET UP TO RELEASE CNS ALLOCATED SHARES
```

Upon VaR Platform business launch, CPs should refer to the Posting/Collateralisation Result Report (CCMPY02) from CCASS for Margin Shortfall and Refund of Margin, as shown below

CCMPY01 / CCMPY02 – margin collection

```
USD               16,113.00      HKD

MARKS AND MARGIN TO BE COLLECTED
================================

CCY      TOTAL AMT
---   --------------------
HKD          67,569,795.00

REMARKS: FOR A FULL LIST OF DIRECT D
REFER TO ENQUIRE COLLATERAL ACCOUNT
```

CCMPY02 – margin refund

```
****************************************

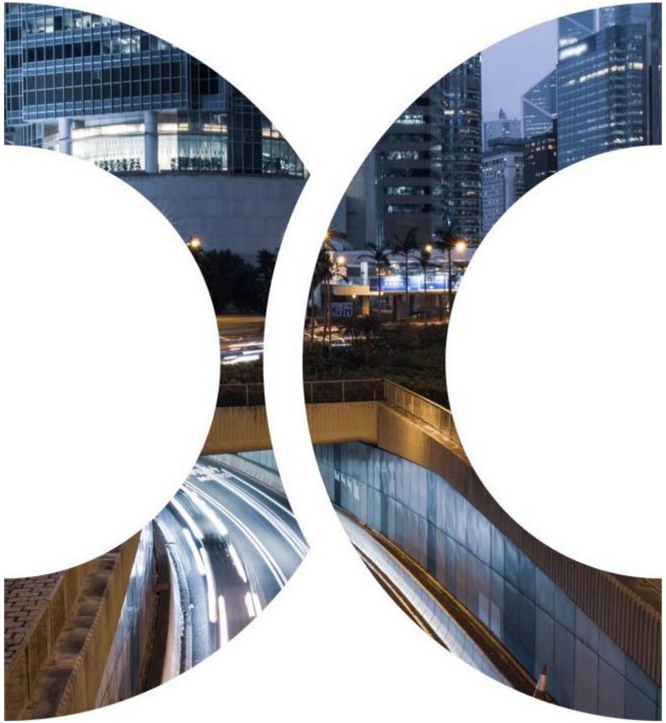
MARKS AND MARGIN TO BE REFUNDED
===============================

CCY      TOTAL AMT
---   --------------------
HKD        25,001,277.31

FOOTNOTE: ODMKS - DUE/OVERDUE MARKS
          PDMKS - PENDING MARKS
          MARGN - MARGIN
```

04 | NCP Projection

(Applicable to GCP only)



NCP Projection
(a) Marks

Updated CCASS reports : intra-day & day end NCP Marks Projection Reports will be obsoleted

CCASS – NCP Marks Projection Report (CRMNP01 for intra-day and CRMNP02 for day-end)
**** obsolete upon business launch of VaR Platform ****

<u>**Marks Projection Information for NCPs**</u>

- NCP Marks Projection Report (CRMNP02) showing the underlying NCPs' marks information
- GCP's own positions and marks information will not be shown in the report

VaR Platform – Marginable Position Report (RMAMP01), MTM and Margin Requirement Report & Summary Version (RMAMR01 & RMAMR03)

<u>**MTM for the NCP and GCP House**</u>

- GCP's own positions and MTM information will be shown in the 3 margin reports : RMAMP01, RMAMR01, RMAMR03
- Same as existing, underlying NCPs' positions will be projected based on T and T-1 day trades, and shown as follows
  - <u>RMAMP01</u>
    Position level MTM, in trading currency and HKD equivalent (without haircut)
  - <u>RMAMR01 & RMAMR03</u>
    Account level MTM, only HKD only (after haircut)

See next slides for further illustration

Note : For the detail of GCP House and underlying NCPs' MTM and Margin projection in VaR Platform, refers to respective report specification for VaR Platform in Familiarisation Programme.

NCP Projection

(a) Marks (cont'd)

Updated CCASS reports : intra-day & day end NCP Marks Projection Reports will be obsoleted

CCASS – NCP Marks Projection Report
(CRMNP01 for intra-day and CRMNP02 for day-end)
**** obsolete upon business launch of VaR Platform ****

VaR Platform – Marginable Position Report (RMAMP01)

```
(1) CRMNP02    (2) B00002                          HKSCC - CCASS
(3) B00002 PARTICIPANT FULL NAME              NCP MARKS PROJECTION REPORT


(6) DATE : 16NOV20
                  (8)/(9)
  (7)          (10)/(11)/(12)         (13)/(14)        (15)            (16)              (17)
  NCP        STOCK / CURRENCY       QUANTITY / MKT   MARKET VALUE   POSITION AMOUNT     MARKS AMOUNT
FIRM ID    ISIN / MKT / STM DATE   PRICE (BASE CCY)   (BASE CCY)     (BASE CCY)         (BASE CCY)
-------  --------------------------  --------------  -------------  -----------------  ------------------
 99992   NCP CO
         87001  HUI XIAN REIT  (CNY)      10,000       21,210.00        20,000.00-            1,210.00
         HK0000078516 HKMK 17NOV20       2.12100
                                                                                     --------------------
                                      TOTAL MARKS AMOUNT FOR THE NCP (CNY) :                  1,210.00

             2  CLP HOLDINGS   (HKD)      10,000      739,250.00       737,075.00-            2,175.00
         HK0002007356 HKMK 17NOV20      73.92500

                                      TOTAL MARKS AMOUNT FOR THE NCP (HKD) :                  2,175.00


(18) EXCHANGE RATE INFORMATION :
     CNY 1 = HKD     1.2022668000    HKD 1 = HKD     1.0000000000    USD 1 = HKD     7.8080262500


                                         *** END OF REPORT ***
```

NCPs' information

RMAMP01

	J	K			N	O	P	Q	R	S	T	U	V	W	X
1	(R10) Participant ID	(R11) Account	(R12) Participant Name	(R13) Instrument Code	(R14) Instr	(R15) Marg	(R16) Currency	(R17) Quantity	(R18) Instrument Price	(R19) Contract Value	(R20) Contract Value HKD Equivalent	(R21) Market Value	(R22) Market Value HKD Equivalent	(R23) MTM	(R24) MTM HKD Equivalent
2	B00002	99992+	B00002 PART	2	HK ST	Hybri	HKD	10000	73.925	737075	737075	739250	739250	-2175	-2175
3	B00002	99992+	B00002 PART	87001	HK ST	FlatRa	CNY	10000	2.121	20000	23778	21210	25216	-1210	-1439
4	B00002	H1	B00002 PART	1	HK ST	Hybri	HKD	-1396500	57.75	-75305573	-75305573	-80647875	-80647875	5342302	5342302
5	B00002	H1	B00002 PART	2	HK ST	Hybri	HKD	40500	73.925	2978373.5	2978374	2993962.5	2993963	-15589	-15589
6	B00002	H1	B00002 PART	3	HK ST	Hybri	HKD	-284000	12.11	-3427012	-3427012	-3439240	-3439240	12228	12228
7	B00002	H1	B00002 PART	11928	HK AS	Hybri	HKD	-790000	0.226	-175240	-175240	-178540	-178540	3300	3300
8	B00002	H1	B00002 PART	11992	HK AS	Hybri	HKD	-7345000	0.222	-1573530	-1573530	-1630590	-1630590	57060	57060
9	B00002	H1	B00002 PART	2343	HK ST	FlatRa	HKD	223000	1.18	258870	258870	263140	263140	-4270	-4270
10	B00002	H1	B00002 PART	2345	HK ST	FlatRa	HKD	658000	1.52	1000160	1000160	1000160	1000160	0	0
11	B00002	H1	B00002 PART	2356	HK ST	FlatRa	HKD	48000	7.06	338744	338744	338880	338880	-136	-136

GCP's own positions

Position MTM shown in VaR Platform RMAMP01 report

Note : For the detail of GCP House and underlying NCPs' MTM and Margin projection in VaR Platform, refers to respective report specification for VaR Platform in Familiarisation Programme.

NCP Projection

(a) Marks (cont'd)

Updated CCASS reports : intra-day & day end NCP Marks Projection Reports will be obsoleted

CCASS – NCP Marks Projection Report (CRMNP01 for intra-day and CRMNP02 for day-end)
***** obsolete upon business launch of VaR Platform *****

```
(1) CRMNP02     (2) B00002                                   HKSCC - CCASS
(3) B00002 PARTICIPANT FULL NAME                         NCP MARKS PROJECTION REPORT

(6) DATE : 16NOV20
                       (8)/(9)
  (7)           (10)/(11)/(12)          (13)/(14)        (15)              (16)               (17)
  NCP          STOCK / CURRENCY       QUANTITY / MKT   MARKET VALUE     POSITION AMOUNT     MARKS AMOUNT
FIRM ID      ISIN / MKT / STM DATE   PRICE (BASE CCY)  (BASE CCY)        (BASE CCY)         (BASE CCY)
-------  ----------------------  ----------------  ----------------  ------------------  ------------------
 99992   NCP CO
         87001  HUI XIAN REIT  (CNY)       10,000         21,210.00          20,000.00-           1,210.00
         HK0000078516 HKMK 17NOV20        2.12100
                                                                                         --------------------
                                       TOTAL MARKS AMOUNT FOR THE NCP (CNY) :                     1,210.00

             2  CLP HOLDINGS   (HKD)        10,000        739,250.00         737,075.00-          2,175.00
         HK0002007356 HKMK 17NOV20       73.92500

                                       TOTAL MARKS AMOUNT FOR THE NCP (HKD) :                     2,175.00

(18) EXCHANGE RATE INFORMATION :
     CNY 1 = HKD      1.2022668000    HKD 1 = HKD      1.0000000000    USD 1 = HKD      7.8080262500

                                               *** END OF REPORT ***
```

NCPs' information

VaR Platform – MTM and Margin Requirement Report & Summary Version (RMAMR01 & RMAMR03)

RMAMR01

GCP's own positions

	J	K	L	M	Z	AA	AB	AC	AD
1	t	(R11) Account	(R12) Participant Name	(R13) Currency	(R26) Favorable MTM	(R27) Net Margin	(R28) Margin Credit Utilized	(R29) Net Margin After Credit	(R30) MTM Requirement
2	B00002	99992+	B00002 PARTI	HKD	3569	26431		26431	0
3	B00002	H1	B00002 PARTI	HKD	0	5930000		5930000	4687067
4	B00002	MA1	B00002 PARTI	HKD	0	5200000	5000000	200000	4683498

RMAMR03

	I	J	K	L	M	N
1	(R9) Exchange	(R10) Participant ID	(R11) Account	(R12) Participant Name	(R13) Currency	(R14) MTM Requirement
2	HK	B00002	99992+	B00002 PAR	HKD	0
3	HK	B00002	H1	B00002 PAR	HKD	4687067
4	HK	B00002	MA1	B00002 PAR	HKD	4683498

Total MTM shown in VaR Platform RMAMR01 and RMAMR03 reports

Note : For the detail of GCP House and underlying NCPs' MTM and Margin projection in VaR Platform, refers to respective report specification for VaR Platform in Familiarisation Programme.

NCP Projection
(b) Margin

Updated CCASS reports : intra-day & day end NCP Margin Projection Reports will be obsoleted

CCASS – NCP Margin Projection Report
(CRMNP03 for intra-day and CRMNP04 for day-end)
****** obsolete upon business launch of VaR Platform ******

Margin Projection Information for the NCP (18)

- NCPs' information are shown in CRMNP03, CRMNP04 report, separate from GCP's margin information.
- GCP's own positions and margin information will be shown in separate CCASS report.

```
(1) CRMNP04    (2) B00002                              HKSCC - CCASS                                        (4)
(3) B00002 PARTICIPANT FULL NAME                    NCP MARGIN PROJECTION REPORT                              (5)


(6) DATE : 16NOV20

         (8)     (10)/(11)/(12)/(13)                  (10)/(11)/(12)/(13)                  (14)/(15)
  (7)    (9)    STM DATE : 17NOV20                   STM DATE : 18NOV20                   TOTAL (CROSS-DAY NET)
  NCP    STOCK/ QTY / MKT PRICE (BASE CCY) /          QTY / MKT PRICE (BASE CCY) /          QTY /
FIRM ID  CCY    MKT VALUE (BASE CCY)                 MKT VALUE (BASE CCY)                 MKT VALUE (BASE CCY)
-------  ------ ---------------------------------    ---------------------------------    ----------------------
 99992   NCP CO
         87001          10,000        2.12100                       0                               10,000
         (CNY)          21,210.00                                   0.00                            21,210.00

                                 (16)TOTAL CROSS-DAY NET LONG  CNS POSITION IN : CNY                21,210.00
                                 (17)TOTAL CROSS-DAY NET SHORT CNS POSITION IN : CNY                     0.00

             2          10,000        73.92500                      0                               10,000
         (HKD)         739,250.00                                   0.00                           739,250.00


                                 (16)TOTAL CROSS-DAY NET LONG  CNS POSITION IN : HKD               739,250.00
                                 (17)TOTAL CROSS-DAY NET SHORT CNS POSITION IN : HKD                     0.00

(18)MARGIN BEFORE MARKS OFFSET AND MARGIN CREDIT AT MARGIN RATE   6.00% & MARGIN     CNY             1,272.60
MULTIPLIER OF  1.0000                                                                HKD            44,355.00

(19)EXCHANGE RATE INFORMATION :
    CNY 1 = HKD      1.2022668000   HKD 1 = HKD      1.0000000000   USD 1 = HKD      7.8080262500
```

VaR Platform – MTM and Margin Requirement Report & Summary Version (RMAMR01 & RMAMR03)

Margin for the NCP and GCP House (R25)

- GCP's own position and MTM information will be shown in the RMAMP01, RMAMR01, RMAMR03
- Underlying NCPs' margin information will only be shown in RMAMR01 and RMAMR03

RMAMR01

	J				P	S	T	U	V	W	X	
1	(R10) Participant ID	(R11) Account	(R12) Participant Name	(R13) Currency	(R16) Portfolio Margin	(R19) Flat Rate Margin	(R20) Corporate Action Position Margin	(R21) Initial Margin	(R22) Liquidation Risk Add-on	(R23) Structured Product Add-on	(R24) Holiday Add-on	(R25) Rounded Aggregated Market-risk-component Margin
2	B00002	99992+	B00002 PARTI	HKD	20083	3026	0	23109	0	0	0	30000
3	B00002	H1	B00002 PARTI	HKD	5698034	22897	0	5927012	0	0	0	5930000
4	B00002	MA1	B00002 PARTI	HKD	4959120	23200	0	5191123	0	0	0	5200000
5												

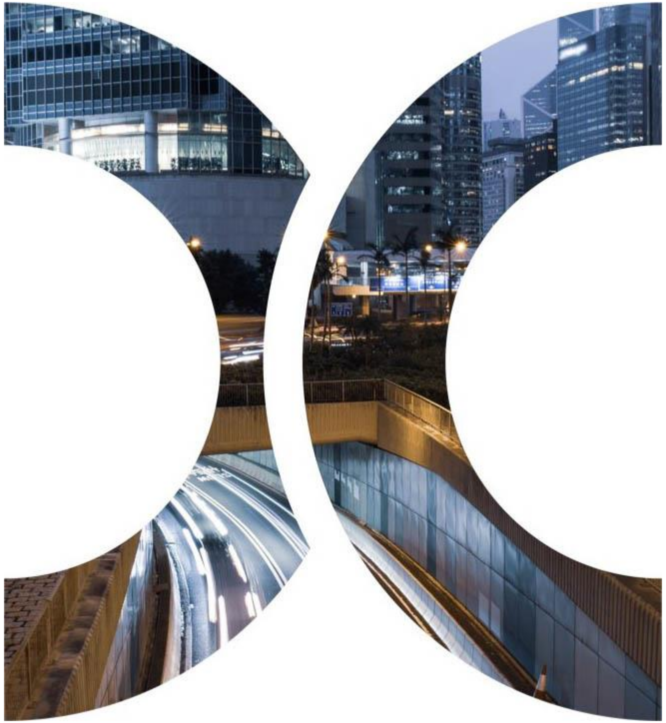
RMAMR03

	J	K	L	M	N	O	P	Q
1	(R10) Participant ID	(R11) Account	(R12) Participant Name	(R13) Currency	(R14) MTM Requirement	(R15) Portfolio Margin	(R16) Flat Rate Margin	(R17) Corporate Action Position Margin
2	B00002	99992+	B00002 PART	HKD	0	20083	3026	0
3	B00002	H1	B00002 PART	HKD	4687067	5698034	228978	0
4	B00002	MA1	B00002 PART	HKD	4683498	4959120	232003	0
5								

Note : For the detail of GCP House and underlying NCPs' MTM and Margin projection in VaR Platform, refers to respective report specification for VaR Platform in Familiarisation Programme.

05 | Field by field mapping

- VaR Platform Reports vs CCASS Reports



Minor update highlighted in purple

VaR Platform RMAMP01 Marginable Position Report

Reference to CCASS reports : CFIPM01 Marks & Collateral Collection Report / CRMMG02 Margin Payable Report [to be obsoleted]

Data in RMAMP01	Data in CCASS Reports		Remarks
	CFIPM01	CRMMG02	
(R1) Batch	N/A		Batch ID for reference to corresponding RMAMR01 & RMAMR03
(R2) IDM	N/A		IDM = 2 – end of day margin and 3 – intraday, holiday and estimated margins
(R3) Create Time	(5) Run Time		
(R4) Business Date	(6) Date		
(R5) Country	N/A		The two-digit ISO 3166-1 country code for countries and their subdivisions. HK – Hong Kong
(R6) Product Area	N/A		The location of the Market where the corresponding marginable positions belong to: HK – Hong Kong; CN – Mainland China
(R7) Market	N/A		The Market where the corresponding marginable positions belong to: HKMK – Hong Kong Market; SZMK – Shenzhen Market; MAMK – Shanghai Market
(R8) Market ID	N/A		The ID of the Market where the corresponding marginable positions belong to: 201 – HKMK; 203 – MAMK; 204 – SZMK
(R9) Exchange	N/A		Always HK – Hong Kong
(R10) Participant ID	(2) Participant ID		
(R11) Account	N/A		Margin account only available in VaR Platform
(R12) Participant Name	(3) Participant Full Name		

VaR Platform RMAMP01 Marginable Position Report

Reference to CCASS reports : CFIPM01 Marks & Collateral Collection Report / CRMMG02 Margin Payable Report [to be obsolete](cont'd)

Data in RMAMP01	Data in CCASS Reports		Remarks
	CFIPM01	CRMMG02	
(R13) Instrument Code	(8) Stock		
(R14) Instrument Type	N/A		Description of the instrument type of the margin positions, corresponding to the instrument codes under (R13)
(R15) Margin Type	N/A		Description of the type of the margin applied to the marginable position
(R16) Currency	(9) Currency		
(R17) Quantity	(13) Quantity	(17) Total (Cross-Day Net) QTY	
(R18) Instrument Price	(14) MKT Price (Base CCY)	(12) MKT Price (Base CCY)	
(R19) Contract Value	(16) Position Amount (Base CCY)	N/A	**VaR Platform** • +ve value = payable amount • -ve value = receivable amount **CCASS** • +ve value = receivable amount • -ve value = payable amount
(R20) Contract Value HKD Equivalent	N/A		Settlement amount of marginable position in HKD equivalent
(R21) Market Value	(15) Market Value (Base CCY)	(18) MKT Value (Base CCY)	
(R22) Market Value HKD Equivalent	N/A		Market value of marginable position in HKD equivalent
(R23) MTM	(17) Mark Amount (Base CCY)	N/A	**VaR Platform** • +ve value = unfavorable MTM • -ve value = favorable MTM **CCASS** • +ve value = favorable Marks • -ve value = unfavorable Marks
(R24) MTM HKD Equivalent	N/A		The mark-to-market of the marginable position in HKD equivalent
(R25) Liquidation Risk Add-on	(35) Conc Collateral Required (Base CCY)	N/A	Liquidation Risk Add-on will replace Concentration Collateral
(R26) Structured Product Add-on	N/A		Position level of Structured Product Add-on, not applicable to China Connect markets

Minor update highlighted in purple

VaR Platform RMAMR01 MTM and Margin Requirement Report

Reference to CCASS reports : CFIPM01 Marks & Collateral Collection Report / CRMMG02 Margin Payable Report [to be obsoleted]

Data in RMAMR01	Data in CCASS Reports		Remarks
	CFIPM01	CRMMG02	
(R1) Batch	N/A		Batch ID for reference to corresponding RMAMR01 & RMAMR03
(R2) IDM	N/A		IDM = 2 - end of day margin and 3 – intraday, holiday and estimated margins
(R3) Create Time	(5) Run Time		
(R4) Business Date	(6) Date		
(R5) Country	N/A		The two-digit ISO 3166-1 country code for countries and their subdivisions. HK – Hong Kong
(R6) Product Area	N/A		HK – Hong Kong, Blank if no marginable position
(R7) Market	N/A		Shows the market of the MTM and margin requirement, blank if no marginable position
(R8) Market ID	N/A		Shows the market of the MTM and margin requirement, blank if no marginable position
(R9) Exchange	N/A		Always HK – Hong Kong
(R10) Participant ID	(2) Participant ID		
(R11) Account	N/A		Margin account only available in VaR Platform
(R12) Participant Name	(3) Participant Full Name		
(R13) Currency	(9) CCY		• CCASS shows trading currency • VaR Platform handle margin calculation in HKD only

VaR Platform RMAMR01 MTM and Margin Requirement Report

Reference to CCASS reports : CFIPM01 Marks & Collateral Collection Report / CRMMG02 Margin Payable Report [be obsolete] (cont'd)

<table>
<tr><th rowspan="2">Data in RMAMR01</th><th colspan="2">Data in CCASS Reports</th><th rowspan="2" colspan="2">Remarks</th></tr>
<tr><th>CFIPM01</th><th>CRMMG02</th></tr>
<tr><td>(R14) Portfolio Margin before Floor</td><td colspan="2">N/A</td><td colspan="2">Portfolio Margin, before applying the portfolio margin floor (R15)</td></tr>
<tr><td>(R15) Portfolio Margin Floor</td><td colspan="2">N/A</td><td colspan="2">Portfolio margin floor calculated base on: (i) Portfolio margin floor base; and (ii) Portfolio margin floor rate</td></tr>
<tr><td>(R16) Portfolio Margin</td><td colspan="2">N/A</td><td colspan="2">Portfolio Margin (R16) is after flooring, i.e. Max((R14), (R15))</td></tr>
<tr><td>(R17) Flat Rate Margin before Multiplier</td><td colspan="2">N/A</td><td colspan="2">Flat Rate Margin before applying Flat Rate Margin Multiplier (R18)</td></tr>
<tr><td>(R18) Flat Rate Margin Multiplier</td><td>N/A</td><td rowspan="2">(73) Margin Before Marks Offset and Margin Credit</td><td colspan="2">Margin Multiplier to be applied under the new risk model, which is subject to change</td></tr>
<tr><td>(R19) Flat Rate Margin</td><td>N/A</td><td colspan="2"></td></tr>
<tr><td>(R20) Corporate Action Position Margin</td><td colspan="2">N/A</td><td colspan="2">Risk component related to potential risk exposures arising from Corporate Action entitlements i.e. rights, dividend and etc.</td></tr>
<tr><td>(R21) Initial Margin</td><td colspan="2">N/A</td><td colspan="2">Sum of Portfolio Margin (R16), Flat Rate Margin (R19) and Corporate Action Position Margin (R20)</td></tr>
<tr><td>(R22) Liquidation Risk Add-on</td><td>(37) Concentration Collateral Requirement</td><td>N/A</td><td colspan="2">Liquidation Risk Add-on will replace Concentration Collateral</td></tr>
<tr><td>(R23) Structured Product Add-on</td><td colspan="2">N/A</td><td colspan="2">Risk component to handle the huge percentages loss resulting from downward price movement approaching the minimum security prices for long SP positions</td></tr>
<tr><td>(R24) Holiday Add-on</td><td colspan="2">N/A</td><td colspan="2">Reserved for future use, always "0"</td></tr>
<tr><td>(R25) Rounded Aggregated Market-risk-component Margin</td><td colspan="2">N/A</td><td colspan="2">Sum of the (R21), (R22), (R23), and (R24), then round up to the nearest HK$10,000.</td></tr>
<tr><td rowspan="2">(R26) Favorable MTM</td><td rowspan="2">N/A</td><td rowspan="2">(74) Favorable Marks For Offset Margin</td><th>VaR Platform</th><th>CCASS</th></tr>
<tr><td>Abnormal positions included in cross-day netted CNS positions for MTM calculation</td><td>Abnormal positions excluded from marks calculation</td></tr>
<tr><td>(R27) Net Margin</td><td colspan="2">N/A</td><td colspan="2">The difference between the value of Rounded Aggregated Market-risk-component Margin and Favorable MTM: i.e. Max((R25) – (R26),0)</td></tr>
</table>

VaR Platform RMAMR01 MTM and Margin Requirement Report

Updates highlighted in purple

Reference to CCASS reports : CFIPM01 Marks & Collateral Collection Report / CRMMG02 Margin Payable Report / GFR806 Guarantee Fund Risk Collateral Requirement Report / CRMAC01 Additional Cash Collateral Payable Report [to be obsoleted] CCMPY02 Posting/Collateralisation result Report [to be enhanced]

<table>
<tr><th rowspan="2">Data in RMAMR01</th><th colspan="5">Data in CCASS Reports</th><th rowspan="2">Remarks</th></tr>
<tr><th>CFIPM01</th><th>CRMMG02</th><th>CCMPY02</th><th>GFP806</th><th>CRMAC01</th></tr>
<tr><td>(R28) Margin Credit Utilized</td><td>N/A</td><td>(75) Margin Credit Applied</td><td colspan="3">N/A</td><td>• CCASS pro-rata margin credit into trading currency
• VaR Platform handle margin calculation in HKD only</td></tr>
<tr><td>(R29) Net Margin After Credit</td><td>N/A</td><td>(76) Margin Requirement Including EOT</td><td colspan="3">N/A</td><td>• CCASS shows trading currency
• VaR Platform handle margin calculation in HKD only</td></tr>
<tr><td>(R30) MTM Requirement</td><td>(38) Total Marks And Collateral Requirement Including EOT</td><td>N/A</td><td colspan="3">N/A</td><td>VaR Platform applies FX haircut when converting MTM in other currency into MTM requirement in HKD</td></tr>
<tr><td>(R31) Position Limit Add-on</td><td colspan="2">N/A</td><td colspan="2">N/A</td><td>(16) Additional Cash Collateral Requirement</td><td>Risk component to capture risk similar to Additional Cash Collateral Requirement as of today</td></tr>
<tr><td>(R32) Credit Risk Add-on</td><td colspan="2" rowspan="2">N/A</td><td colspan="3" rowspan="2">N/A</td><td>Always “0” during familiarisation period.</td></tr>
<tr><td>(R33) Ad-hoc Add-on</td><td>Ad hoc collateral requirement related to individual CP imposed by HKSCC, if applicable</td></tr>
<tr><td rowspan="2">(R34) Total MTM and Margin Requirement</td><td>(38) Total Marks And Collateral Requirement Including EOT</td><td>(76) Margin Requirement Including EOT</td><td colspan="3">N/A</td><td>Equivalent to the sum of Marks Requirement in CFIPM01 and Margin Requirement in CRMMG02</td></tr>
<tr><td colspan="2">N/A</td><td>Amount under "Obligation Collateralisation" section</td><td colspan="2">N/A</td><td>Amount for collateralisation calculation in CCASS, after the launch of VaR Platform</td></tr>
<tr><td>(R35) Total EOT MTM and Margin Requirement to be collected through SEOCH</td><td>(43) Additional Marks and Collateral due to EOT to be collected by SEOCH</td><td>(81) Additional Margin Requirement due to EOT to be collected</td><td>Amount under "EOT Special-Use Pledging Result" section (SEOCH CCMS report)</td><td colspan="2">N/A</td><td>Only applicable for CP who opt to pay its risk obligations due to EOT through SEOCH. Equivalent to the sum of Marks Requirement in CFIPM01 and Margin Requirement in CRMMG02</td></tr>
<tr><td>(R36) Total MTM and Margin Requirement to be collected through HKSCC</td><td colspan="2">N/A</td><td>Amount under "Obligation Collateralisation" section</td><td colspan="2">N/A</td><td>Only applicable for CP who opt to pay its risk obligations due to EOT through SEOCH.</td></tr>
<tr><td>(R37) Default Fund Add-on</td><td colspan="2">N/A</td><td>N/A</td><td>(10) GF Risk Collateral Requirement</td><td>N/A</td><td>Equivalent of GF Risk Collateral Requirement under the risk base model</td></tr>
</table>

Updates highlighted in purple

VaR Platform RMAMR03 MTM and Margin Requirement Report (Summary Version)

Reference to CCASS reports : CFIPM01 Marks & Collateral Collection Report / CRMMG02 Margin Payable Report [to be obsolete]

Data in RMAMR03	Data in CCASS Reports		Remarks
	CFIPM01	CRMMG02	
(R1) Batch	N/A		Batch ID for reference to corresponding RMAMR01 & RMAMR03
(R2) IDM	N/A		IDM = 2 - end of day margin and 3 – intraday, holiday and estimated margins
(R3) Create Time	(5) Run Time		
(R4) Business Date	(6) Date		
(R5) Country	N/A		The two-digit ISO 3166-1 country code for countries and their subdivisions. HK – Hong Kong
(R6) Product Area	N/A		HK – Hong Kong, Blank if no marginable position
(R7) Market	N/A		Shows the market of the MTM and margin requirement, blank if no marginable position
(R8) Market ID	N/A		Shows the market of the MTM and margin requirement, blank if no marginable position
(R9) Exchange	N/A		Always HK – Hong Kong
(R10) Participant ID	(2) Participant ID		
(R11) Account	N/A		Margin account only available in VaR Platform
(R12) Participant Name	(3) Participant Full Name		
(R13) Currency	(9) CCY		• CCASS shows trading currency • VaR Platform handle margin calculation in HKD only

Updates highlighted in purple

VaR Platform RMAMR03 MTM and Margin Requirement Report (Summary Version)

Reference to CCASS reports : CFIPM01 Marks & Collateral Collection Report / CRMMG02 Margin Payable Report / GFR806 Guarantee Fund Risk Collateral Requirement Report [to be obsolete]
CCMPY02 Posting / Collateralisation result Report [to be enhanced]

<table>
<tr><th rowspan="2">Data in RMAMR03</th><th colspan="4">Data in CCASS Reports</th><th rowspan="2">Remarks</th></tr>
<tr><th>CFIPM01</th><th>CRMMG02</th><th>CCMPY02</th><th>GFP806</th></tr>
<tr><td>(R14) MTM Requirement</td><td>(38) Total Marks & Collateral Requirement Including EOT</td><td>N/A</td><td colspan="2">N/A</td><td>VaR Platform applies FX haircut when converting MTM from trading currency into MTM requirement in HKD</td></tr>
<tr><td>(R15) Portfolio Margin</td><td colspan="2">N/A</td><td colspan="2">N/A</td><td></td></tr>
<tr><td>(R16) Flat Rate Margin</td><td>N/A</td><td>(73) Margin Before Marks Offset & Margin Credit</td><td colspan="2">N/A</td><td></td></tr>
<tr><td>(R17) Corporate Action Position Margin</td><td colspan="2">N/A</td><td colspan="2">N/A</td><td></td></tr>
<tr><td>(R18) Margin Add-ons</td><td colspan="2">N/A</td><td colspan="2">N/A</td><td>Sum of add-ons in RMAMR01 MTM and Margin Requirement Report, i.e. Liquidation Risk Add-on, Structured Product Add-on, Holiday Add-on, Position Limit Add-on, Credit Risk Add-on & Ad-hoc Add-on</td></tr>
<tr><td>(R19) Total Margin Adjustments</td><td colspan="2">N/A</td><td colspan="2">N/A</td><td>Adjustments consist effect from margin rounding, Favorable MTM and Margin Credit</td></tr>
<tr><td rowspan="2">(R20) Total MTM and Margin Requirement</td><td>(38) Total Marks & Collateral Requirement Including EOT</td><td>(76) Margin Requirement Including EOT</td><td colspan="2">N/A</td><td>Equivalent to the summation of Marks Requirement from CFIPM01 and Margin Requirement from CRMMG02</td></tr>
<tr><td colspan="2">N/A</td><td>Amount under "Obligation Collateralisation" section</td><td>N/A</td><td>Amount for collateralisation calculation in CCASS, after the launch of VaR Platform</td></tr>
<tr><td>(R21) Default Fund Add-on</td><td colspan="2">N/A</td><td>NA</td><td>(10) GF Risk Collateral Requirement</td><td>Equivalent of GF Risk Collateral Requirement under the risk base model</td></tr>
</table>