
Information Package
on
Connectivity Session and Market Rehearsals
for
Cash Market Gateway
(CMG)

Version 1.0

August 2021

Version History

| Version No. | Issue Date | Particulars |
|-------------|--------------|--|
| 1.0 | August, 2021 | First version of Information Package on Connectivity Session and Market Rehearsals for CMG |

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1 Introduction

1.1 Overview

Following the successful completion of the End-to-End Test, all Exchange Participants (“EPs”) with Broker Supplied System (“BSS”) and/or New Securities Trading Device (NSTD) are invited to participate in the following connectivity session and market rehearsals to verify the readiness before the Cash Market Gateway (“CMG”) rollout.

| Date | Mandatory / Optional | Task | Objective |
|----------------|----------------------|--|---|
| 24 July 2021 | Optional | Connectivity Session (CS) | Validate the readiness of EPs’ BSS and/or NSTD production configuration and connectivity with CMG. |
| 7 August 2021 | Mandatory | 1 st Market Rehearsal (MR1) | Validate EPs’ BSS and/ or NSTD in production configuration to perform normal business transactions and volume testing with CMG. |
| 21 August 2021 | Mandatory | 2 nd Market Rehearsal (MR2) | Validate EPs’ BSS and/ or NSTD capability for handling OTP-C/CMG failover from primary site to backup site. |

CS is optional for participation. **MR1 and MR2 are mandatory for participation.** All EPs must satisfactorily complete the two MRs to ensure their BSS and NSTD can operate with CMG under normal operation and contingency arrangement. Failure to complete MRs may result in the EP’s trading device being prohibited from connecting to CMG.

Subject to successful completion of the market rehearsals, EPs readiness and necessary regulatory approvals, HKEX will launch CMG in due course.

1.2 Market Data Arrangement for CMG CS and MRs

EPs who have subscribed to HKEX Orion Market Data Platform for Securities Market (“OMD-C”) can have access to OMD-C feed during CS and MRs.

Some Information Vendors (IVs) and Application Service Providers (ASPs) may be able to redistribute OMD-C data to their EP customers conducting CS and MRs. EPs should check with their IVs and/or ASPs immediately for the arrangement if they want to receive market data.

Please provide contact information in the notification form if email notification for OMD-C site failover arrangement in MR2 is required.

2 Schedule and Activities for CMG CS and MRs

2.1 Tasks for EPs on CS and MRs

EPs are required to complete the following tasks for the CS and MRs:

| Task | EPs Concerned | Deadline Execution Date / | Reference Documents |
|---|---------------|--|---|
| 1. Submit online Notification Form | All EPs | On or before 20 July 2021 (Tuesday) | Online Notification Form for <ul style="list-style-type: none"> - Designation of contact person for CS and MRs - Participation of CS& Post Test Verification Session after CS and MRs - Contact information if email notification is required for OMD-C site failover arrangement in MR2 |
| Connectivity Session (CS) (optional) | | | |
| 1. Execute rundown | Relevant EPs | 24 July 2021 (Saturday) 9:00am – 12:10pm | Appendix A – Activity Rundown |
| 2. Conduct Post Test Verification Session after CS (optional) ^[1] | Relevant EPs | 24 July 2021 (Saturday) 8:00pm to 9:00pm | Appendix A – Activity Rundown |
| 1st Market Rehearsal (MR1) (mandatory) | | | |
| 1. Execute rundown | All EPs | 7 August 2021 (Saturday) 9:00am – 12:10pm | Appendix B – Activity Rundown |
| 2. Conduct Post Test Verification Session after MR1 (optional) ^[1] | Relevant EPs | 7 August 2021 (Saturday) 8:00pm to 9:00pm | Appendix B – Activity Rundown |
| 3. Return feedback form | All EPs | On or before 9 August 2021 (Monday) | Feedback Form |
| 2nd Market Rehearsal (MR2) (mandatory) | | | |
| 1. Execute rundown | All EPs | 21 August 2021 (Saturday) 9:00am – 1:10pm | Appendix C– Activity Rundown |
| 2. Conduct Post Test Verification | Relevant EPs | 21 August 2021 (Saturday) | Appendix C– Activity Rundown |

| | | | |
|---|---------|--------------------------------------|-------------------------------|
| Session after MR2 (optional) ^[1] | | 8:00pm to 9:00pm | |
| 3. Return feedback form | All EPs | On or before 23 August 2021 (Monday) | Feedback Form |

Note:

- The “Post Test Verification Session after CS”, “Post Test Verification Session after MR1” and “Post Test Verification Session after MR2” are offered for EPs to validate that their BSS/NSTD have already reinstated for trading with OCG properly on the following trading day. **Participation is optional and prior registration would be required.**

EPs must return the feedback form for each of the MRs to HKEX on or before the following Monday after the respective MR.

2.2 CS Timetable

EPs are encouraged to take this opportunity to verify the readiness of their BSS/NSTD connectivity to CMG to ensure that they could participate in subsequent MRs smoothly. A half-day trading session will be arranged for the CS as below:

| Time | Session |
|---------------------------------|--|
| 9:00am – 9:30am | <ul style="list-style-type: none"> Pre-opening Session |
| 9:30am – 12:00noon | <ul style="list-style-type: none"> Continuous Trading Session (including two 5-minute Volume Test sessions for EPs to input orders as many as possible starting from 10:00am and 11:00am respectively). Volatility Control Mechanism (VCM) will be enabled from 9:45am to 11:40am for VCM stocks |
| 12:00noon – 12:10pm | <ul style="list-style-type: none"> Closing Auction Session (CAS) |
| Upon completion of CAS Matching | <ul style="list-style-type: none"> Day Close |
| 12:30pm – 1:00pm | <ul style="list-style-type: none"> Download closing price file and trade file via Electronic Communication Platform (ECP) |
| 8:00pm –9:00pm | <ul style="list-style-type: none"> Post Test Verification Session after CS (optional and applicable for EP’s participation with prior registrations) Only Continuous Trading Session will be available and Volatility Control Mechanism (VCM) will NOT be enabled |

2.3 MR1 Timetable

MR1 aims to provide an opportunity to EPs to simulate their trading activities in OTP-C/CMG environment and to verify their system operation and performance under high

volume situation initiated by EPs using their maximum throttle in OTP-C/CMG environment. A compressed full-day trading session will be arranged for the MR1 as below:

| Time | Session |
|---------------------------------|--|
| 9:00am – 9:30am | <ul style="list-style-type: none"> Pre-opening Session |
| 9:30am – 10:45am | <ul style="list-style-type: none"> Morning Continuous Trading Session (including a 5-minute Volume Test session for EPs to input orders as many as possible starting from 10:00am). VCM will be enabled from 9:45am to 10:45am for VCM stocks |
| 10:45am – 11:00am | <ul style="list-style-type: none"> Mid-Day Close / Extended Morning Session |
| 10:55am – 11:00am | <ul style="list-style-type: none"> Order Cancellation Period |
| 11:00am – 12:00noon | <ul style="list-style-type: none"> Afternoon Continuous Trading Session (including a 5-minute Volume Test session for EPs to input orders as many as possible starting from 11:30am). VCM will be enabled from 11:15am to 11:40am for VCM stocks |
| 12:00noon – 12:10pm | <ul style="list-style-type: none"> Closing Auction Session |
| Upon completion of CAS Matching | <ul style="list-style-type: none"> Day Close |
| 12:30pm – 1:00pm | <ul style="list-style-type: none"> Download closing price file and trade file via ECP |
| 8:00pm – 9:00pm | <ul style="list-style-type: none"> Post Test Verification Session after MR1 (optional and applicable for EP's participation with prior registrations) Only Continuous Trading Session will be available and VCM will NOT be enabled |

2.4 MR2 Timetable

MR2 aims to provide an opportunity for EPs to simulate their trading activities and validate the capability of their BSS in handling system failover of OTP-C/CMG from primary site to backup site. A half-day trading session will be arranged for the MR2 as below:

| Time | Session (OTP-C) |
|-----------------|--|
| 9:00am – 9:30am | <ul style="list-style-type: none"> Pre-opening Session |
| 9:30am – 1:00pm | <ul style="list-style-type: none"> Continuous Trading Session. VCM will be enabled from 9:45am to 12:40pm for VCM stocks |

| | |
|---------------------|--|
| 10:30am | <ul style="list-style-type: none"> • Simulated OTP-C/CMG and OMD-C System Failure / Trading Interruption |
| 11:30am | <ul style="list-style-type: none"> • OTP-C/CMG and OMD-C at Backup site are ready for Connection from BSS & IVs |
| 11:45am - 12:00noon | <ul style="list-style-type: none"> • Order Cancel Session |
| 12:00noon – 1:00pm | <ul style="list-style-type: none"> • Continuation of Continuous Trading Session • VCM will be enabled from 12:00noon to 12:40pm for VCM stocks |
| 1:00pm – 1:10pm | <ul style="list-style-type: none"> • Closing Auction Session |
| 1:30pm | <ul style="list-style-type: none"> • Download closing price file and trade file via ECP |
| 8:00pm – 9:00pm | <ul style="list-style-type: none"> • Post Test Verification Session after MR2 (optional and applicable for EP's participation with prior registrations) • Only Continuous Trading Session will be available and Volatility Control Mechanism (VCM) will NOT be enabled |

3 Guidelines for CMG CS and MRs

EPs are requested to make note of the following important points when they take part in the CS and MRs:

Before CS and MRs:

- All EPs are required to submit and complete the online Notification Form **on or before 20 July 2021** to provide the designated contact person for OTP-C, confirm whether they will join CS and Post Test Verification Sessions for CS & MRs. If EPs wish to turn on CMG/NSTD during the CS and Post Test Verification Sessions, they are required to separately inform ET Trade Limited at 2880-8601 to make pre-arrangement and a fee will be chargeable by ET Trade Limited.
- For participation of MR1 and MR2, no prior registration is required.
- EPs should have completed the End-to-End Test to verify the readiness of their BSS software prior to their participation in the CS and MRs.

During CS, MRs and Post Test Verification Sessions:

- EPs must ensure that the correct configuration (if needed) of BSS software supporting CMG is activated before connecting to CMG. In this case, after conducting CS and MRs, EPs must also ensure that BSS software is reinstated for OCG to ensure no interruption to their trading activities on the following trading day.
- EPs are reminded to back up their BSS production database before the CS and MRs so that the database can be restored after the test to safeguard data integrity for the following trading day.
- The stock database as at the market open on 26 July 2021, 9 August and 23 August 2021 will be used for CS, MR1 and MR2 respectively.
- EPs are required to logon all CMG/BSS and CMG/NSTD (including Trading and Drop Copy sessions) by using the assigned Comp ID(s) and production password.
- EPs are requested to submit orders/ trades to simulate real-life trading activities. In the Volume Test sessions, EPs should base on their maximum entitled throughput capacity of each CMG session to submit orders to check if they would encounter any performance issue or response time issue.

In MR2 - For BSS/NSTD to handle system failover of OTP-C/CMG from primary site to backup site:

- OTP-C/CMG and OMD-C system failure and failover to backup site will be simulated at 10:30am.
- EPs should pay attention to HKEX's announcement of contingency arrangement via Exchange News. The Exchange News will be available through OMD-C. If Exchange News cannot be disseminated through OMD-C, HKEX will send the announcement via email to the designated contact person's email address as provided in the **Notification Form**.
- EPs should connect their CMG/BSS and CMG/NSTD (including Trading and Drop Copy sessions) to CMG backup site IP/port and sign on by using the assigned Comp ID and the production password after OTP-C/CMG and OMD-C system failure and failover to backup site.

- After trading is resumed at backup site, all EPs should verify successful connection of their trading devices by simulating real-life trading activities.

After CS and MRs:

- Upon completion of test, EPs are reminded to log off and terminate all sessions, then perform end-of-day procedures and clean up the transaction data (e.g. orders and trades) entered during the test from BSS (if applicable).
- After the testing, EPs are also reminded to clean up the next day requests for testing, if any, to ensure that these testing orders will not be carried forward to the production on the following trading day.
- All OMD-C messages disseminated during the CS and MRs should be treated as non-production data. OMD-C Clients should clean up these data after the test.

4 Typhoon, Extreme Conditions and/ or Rainstorm Arrangements

When Tropical Storm Warning Signal No. 8 (or above) or Extreme Conditions or the Black Rainstorm Warning Signal is issued/announced/hoisted, the following arrangements will apply:

| Condition | Arrangement |
|--|--|
| In case Typhoon Signal No. 8 or above, Extreme Conditions and / or Black Rainstorm Warning is issued or continues to be in force anytime from 7:00am to before 9:00am | The scheduled activity of the day will be cancelled and will not be resumed for the rest of the day. |
| In case Typhoon Signal No. 8 or above or Extreme Conditions is issued on / or after 9:00am | The scheduled activity of the day will be terminated 15 minutes thereafter. |
| In case Black Rainstorm Warning is issued on / or after 9:00am | All scheduled activity will continue until completion. |

Note:

1. In any case, all participating EPs should complete the appropriate day-end work including file/ database backup and restoration, system restoration/ fallback and so on to ensure there will be no interruption on the next trading day.

5 Support Hotline

Should EPs have any questions about CMG CS and MRs, please contact the following Support Hotlines:

| | Telephone Number | Email Address |
|--|------------------|--|
| For BSS Support | 2840 3351 | bsssupport@hkex.com.hk |
| For General Enquiry | 2840 3626 | otpc@hkex.com.hk |
| For OMD-C Enquiry | 2211 6558 | IVSupport@hkex.com.hk |
| For ET Trade Support/NSTD Enquiry | 2880 8601 | cs@etnet.com.hk |

Appendices

| Time | Activities |
|--|--|
| 23 July 2021 (Friday) – After Market Close | |
| After 5:00pm | <ul style="list-style-type: none"> <input type="checkbox"/> Ensure all BSS/NSTD components (including network routers and workstations) are powered on after trading hours. <input type="checkbox"/> Ensure the production database of in-house / back-office systems are properly backed-up before the CS. <input type="checkbox"/> Prepare BSS for CMG compatible version if EP has new BSS version for CMG rollout. <p>Notes:</p> <ul style="list-style-type: none"> • <i>For BSS, please do not input any next day requests after trading hours on Friday (i.e. requests intended for submission to host on the following trading day, since next day requests will be submitted to OTP-C host during CS and will not be available on the following trading day)</i> • <i>After CS and Post Test Verification Session (if applicable), EPs are also reminded to clean up the next day requests (if any) to ensure that these testing orders will not be carried forward to the production on the following trading day</i> |
| 24 July 2021 (Saturday) - Applicable to EPs with prior registration | |
| Before 9:00am | <p><u>Logon to OTP-C Host</u></p> <p>For CMG/NSTD</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform Administrator Logon to ET Trade Speed Station. <input type="checkbox"/> Perform logon for CMG sessions (including Trading and Drop Copy sessions) by using the production password. <input type="checkbox"/> Perform ET Trade Speed Station start-of-trading procedure <input type="checkbox"/> Perform Trader logon. <input type="checkbox"/> Note: If EP encounters any issue on ET Trade Speed Station, please directly contact ET Trade Customer Service Hotline at 2880-8601 or by email to cs@etnet.com.hk. <p>For CMG/BSS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Connect to CMG for all CMG sessions (including Trading and Drop Copy sessions). <input type="checkbox"/> Logon using the assigned Comp ID(s) and the production password for all CMG sessions (including Trading and Drop Copy sessions). |
| Pre-opening Session (POS) | |
| 9:00am – 9:30am | <ul style="list-style-type: none"> <input type="checkbox"/> The Pre-Opening Session (POS) consists of <ul style="list-style-type: none"> - Order Input period (9:00am - 9:15am) - No-cancellation period (9:15am - 9:20am) - Random Matching period (9:20am - 9:22am [random matching start time]) - Order Matching (9:20am [random start time] – completion of order matching [variable end time]) - Blocking period (upon completion of order matching [variable end time] - 9:30am) <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the POS |

| Time | Activities |
|---|--|
| | <ul style="list-style-type: none"> <input type="checkbox"/> Input manual trades during the POS. <input type="checkbox"/> Ensure that the BSS/NSTD has the ability to cope with various trading statuses during the POS. <input type="checkbox"/> Where applicable, verify the BSS/NSTD has the ability to correctly display Indicative Equilibrium Prices/Volume, Order Imbalance and Direction, Reference Price and Price Limits on the trading screen for the POS. |
| Continuous Trading Session (CTS) | |
| 9:30am – 12:00noon | <ul style="list-style-type: none"> <input type="checkbox"/> The continuous trading session consists of <ul style="list-style-type: none"> - Without VCM monitoring (9:30am - 9:45am) - With VCM monitoring (9:45am - 11:40am) - Without VCM monitoring (11:40am - 12:00noon) <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session. <p>For Liquidity Provider and Market Maker:</p> <ul style="list-style-type: none"> - Submit market making orders or quotes on all their assigned products. <ul style="list-style-type: none"> <input type="checkbox"/> Where applicable, input orders on VCM securities to trigger VCM cooling-off period and input order (within and outside the price limit) during the VCM cooling-off period. <input type="checkbox"/> Where applicable, verify the BSS/NSTD has the ability to correctly display the reference price, upper and lower limits, start and end time of the VCM cooling-off period. <p>Please note that EPs who do not follow the testing guidelines or conduct frivolous activities during the CS may be suspended from further participation in the CS without prior warning.</p> |
| First Volume Test Session (CTS) | |
| 10:00am – 10:05am | <ul style="list-style-type: none"> <input type="checkbox"/> EPs should base on their maximum entitled throughput capacity of each CMG session to submit orders. EPs should verify that their trading facilities are able to support smooth order input operation during simulation of high volume market activities <input type="checkbox"/> EPs should report immediately any irregularities identified during the Volume Test Session to HKEX. |
| Continuous Trading Session (CTS) | |
| 10:05am – 11:00am | <ul style="list-style-type: none"> <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session |
| Second Volume Test Session (CTS) | |
| 11:00am – 11:05am | <ul style="list-style-type: none"> <input type="checkbox"/> Same as First Volume Test Session |
| Continuous Trading Session (CTS) | |

| Time | Activities |
|--|---|
| 11:05am – 12:00noon | <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session |
| Closing Auction Session (CAS) | |
| 12:00noon -12:10pm | <input type="checkbox"/> The Closing Auction Session (CAS) consists of <ul style="list-style-type: none"> - Reference Price Fixing Period (12:00noon - 12:01pm) - Order Input Period (12:01pm - 12:06pm) - No-Cancellation Period (12:06pm - 12:08pm) - Random Closing Period (12:08pm - 12:10pm [random close time]) - Order Matching (12:08pm [random start time] - completion of matching [variable end time]) - Day Close upon completion of matching <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the CAS. <input type="checkbox"/> Input manual trades during the CAS. <input type="checkbox"/> Amend/cancel some of the outstanding limit orders carried forward from the CTS <ul style="list-style-type: none"> - Ensure the BSS/NSTD can handle the transition from the CTS to the CAS. - Ensure the BSS/NSTD has the ability to cope with various trading statuses during the CAS. - Where applicable, verify the BSS/NSTD has the ability to correctly display Indicative Equilibrium Prices/Volume, Order Imbalance and Direction, Reference Price, Price Limits and closing prices on the trading screen for the CAS. - Test the BSS/NSTD has the ability to handle auction matching trades related to orders input during the CTS and CAS. <p style="margin-left: 40px;">For Market Makers choosing not to carry forward quotes to the CAS:</p> <ul style="list-style-type: none"> - Verify the BSS has the ability to withdraw large number of outstanding orders for market making securities in an efficient and effective manner. |
| Day Close – upon completion of matching | |
| 12:10pm | For CMG/NSTD : <ul style="list-style-type: none"> <input type="checkbox"/> Perform trader logout. <input type="checkbox"/> Perform ET Trade Speed Station end-of-trading procedure. <input type="checkbox"/> Logout and terminate CMG session. <input type="checkbox"/> Logout all ET Trade Speed Station. For CMG/BSS : <ul style="list-style-type: none"> <input type="checkbox"/> Logout and terminate CMG session. <input type="checkbox"/> Perform end-of-trading procedures, if any, to ensure database integrity. <input type="checkbox"/> Clean up the transaction data (e.g. orders and trades) entered during the CS from BSS, if applicable. |

| Time | Activities |
|---|---|
| | <input type="checkbox"/> Restore the data and proper BSS production configuration for following Monday, if necessary. Note: Keep all BSS/NSTD components powered-on throughout the weekend after the CS. |
| Download Day-end Trade File and Closing Price File | |
| 12:30pm – 1:00pm | <input type="checkbox"/> Day-end closing price file and trade file in Central Trade Feed (CTF) format will be available from 12:30pm onwards. EPs are required to login to Electronic Communication Platform (ECP) (https://www.ecp.hkex.com.hk/) by using the production user ID with the “TO” user group (i.e. user ID of MXXXXXTXXXX) and production password. |
| Software fallback for BSS (if applicable) | |
| After 1:00pm | For BSS : <input type="checkbox"/> Fallback the BSS software to OCG compatible version (if applicable) |
| Post Test Verification Session after CS – fallback to OCG (optional and applicable to EPs with prior registration) | |
| Before 8:00pm | Note : <i>Only EPs who have indicated their participation in the notification form, will have ALL of their enrolled production OCG sessions enabled to participate in the Post Test verification session.</i> <u>Logon to OTP-C Host</u> For OCG/NSTD <input type="checkbox"/> Perform Administrator Logon to ET Trade Speed Station. <input type="checkbox"/> Perform logon for OCG sessions (including Trading and Drop Copy sessions) by using the production password. <input type="checkbox"/> Perform ET Trade Speed Station start-of-trading procedure <input type="checkbox"/> Perform Trader logon. <input type="checkbox"/> Note: If EP encounters any issue on ET Trade Speed Station, please directly contact ET Trade Customer Service Hotline at 2880-8601 or by email to cs@etnet.com.hk . For OCG/BSS <input type="checkbox"/> Connect to OCG for all OCG sessions (including Trading and Drop Copy sessions). <input type="checkbox"/> Logon using the assigned Comp ID(s) and Production password for all OCG sessions (including Trading and Drop Copy sessions). Participating EPs are reminded to input password correctly as unlock OCG session or reset password will <u>not</u> be handled during the Post Test Verification Session. |
| Continuous Trading Session | |
| 8:00pm – 9:00pm | <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session. |
| Day Close at 9:00pm | |

| Time | Activities |
|------------------------------|--|
| 9:00pm | <p>For OCG/NSTD:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform trader logout. <input type="checkbox"/> Perform ET Trade Speed Station end-of-trading procedure. <input type="checkbox"/> Logout and terminate OCG session. <input type="checkbox"/> Logout all ET Trade Speed Station. <p>For OCG/BSS:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Logout and terminate OCG session. <input type="checkbox"/> Perform end-of-trading procedures, if any, to ensure database integrity. <input type="checkbox"/> Clean up the transaction data (e.g. orders and trades) entered during the CS from BSS, if applicable. <input type="checkbox"/> Restore the data and proper BSS production configuration for following Monday, if necessary. <p>Note: Keep all BSS/NSTD components powered-on throughout the weekend after the Post Test Verification Session.</p> |
| 26 July 2021 (Monday) | |
| Before 8:30am | <p><u>Logon to OTP-C Host</u></p> <p>For OCG/NSTD</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform Administrator Logon to ET Trade Speed Station. <input type="checkbox"/> Perform logon for OCG sessions (including Trading and Drop Copy sessions) by using the production password. <input type="checkbox"/> Perform ET Trade Speed Station start-of-trading procedure <input type="checkbox"/> Perform Trader logon. <input type="checkbox"/> Note: If EP encounters any issue on ET Trade Speed Station, please directly contact ET Trade Customer Service Hotline at 2880-8601 or by email to cs@etnet.com.hk <p>For OCG/BSS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform logon for OCG sessions (including Trading and Drop Copy sessions) by using production password. |

Appendix B – Activity Rundown for CMG MR1 on 7 August 2021

| Time | Activities |
|--|--|
| 6 August 2021 (Friday) – After Market Close | |
| After 5:00pm | <ul style="list-style-type: none"> <input type="checkbox"/> Ensure all BSS/NSTD components (including network routers and workstations) are powered on after trading hours. <input type="checkbox"/> Ensure the production database of in-house / back-office systems are properly backed-up before the MR1. <input type="checkbox"/> Prepare BSS for CMG compatible version if EP has new BSS version for CMG rollout. <p>Notes :</p> <ul style="list-style-type: none"> • <i>For BSS, please do not input any next day requests after trading hours on Friday (i.e. requests intended for submission to host on the following trading day, since next day requests will be submitted to OTP-C host during MR1 and will not be available on the following trading day)</i> • <i>After MR1 and Post Test Verification Session (if applicable), EPs are also reminded to clean up the next day requests (if any) to ensure that these testing orders will not be carried forward to the production on the following trading day</i> |
| 7 August 2021 (Saturday) | |
| Before 9:00am | <p><u>Logon to OTP-C Host</u></p> <p>For CMG/NSTD</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform Administrator Logon to ET Trade Speed Station. <input type="checkbox"/> Perform logon for CMG sessions (including Trading and Drop Copy sessions) by using the production password. <input type="checkbox"/> Perform ET Trade Speed Station start-of-trading procedure <input type="checkbox"/> Perform Trader logon. <input type="checkbox"/> Note: If EP encounters any issue on ET Trade Speed Station, please directly contact ET Trade Customer Service Hotline at 2880-8601 or by email to cs@etnet.com.hk. <p>For CMG/BSS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Connect to CMG for all CMG sessions (including Trading and Drop Copy sessions). <input type="checkbox"/> Logon using the assigned Comp ID(s) and the production password for all CMG sessions (including Trading and Drop Copy sessions). |
| Pre-opening Session (POS) | |
| 9:00am – 9:30am | <ul style="list-style-type: none"> <input type="checkbox"/> The Pre-Opening Session (POS) consists of <ul style="list-style-type: none"> - Order Input period (9:00am - 9:15am) - No-cancellation period (9:15am - 9:20am) - Random Matching period (9:20am - 9:22am[random matching start time]) - Order Matching (9:20am [random start time] – completion of order matching [variable end time]) - Blocking period (upon completion of order matching [variable end time] - 9:30am) <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the POS |

| Time | Activities |
|---|---|
| | <ul style="list-style-type: none"> <input type="checkbox"/> Input manual trades during the POS. <input type="checkbox"/> Ensure that the BSS/NSTD has the ability to cope with various trading statuses during the POS. <input type="checkbox"/> Where applicable, verify the BSS/NSTD has the ability to correctly display Indicative Equilibrium Prices/Volume, Order Imbalance and Direction, Reference Price and Price Limits on the trading screen for the POS. |
| Morning Continuous Trading Session (CTS) | |
| 9:30am – 10:45am | <ul style="list-style-type: none"> <input type="checkbox"/> The continuous trading session consists of <ul style="list-style-type: none"> - Without VCM monitoring (9:30am - 9:45am) - With VCM monitoring (9:45am - 10:45am) <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session. <p>For Liquidity Provider and Market Maker:</p> <ul style="list-style-type: none"> - Submit market making orders or quotes on all their assigned products. <ul style="list-style-type: none"> <input type="checkbox"/> Where applicable, input orders on VCM securities to trigger VCM cooling-off period and input order (within and outside the price limit) during the VCM cooling-off period. <input type="checkbox"/> Where applicable, verify the BSS/NSTD has the ability to correctly display the reference price, upper and lower limits, start and end time of the VCM cooling-off period. <p>Please note that EPs who do not follow the testing guidelines or conduct frivolous activities during the MR1 may be suspended from further participation in the market rehearsal without prior warning.</p> |
| First Volume Test Session (CTS) | |
| 10:00am – 10:05am | <ul style="list-style-type: none"> <input type="checkbox"/> EPs should base on their maximum entitled throughput capacity of each CMG session to submit orders. EPs should verify that their trading facilities are able to support smooth order input operation during simulation of high volume market activities <input type="checkbox"/> EPs should report immediately any irregularities identified during the Volume Test Session to HKEX. |
| Morning Continuous Trading Session (CTS) | |
| 10:05am – 10:45am | <ul style="list-style-type: none"> <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session |
| Mid-Day Close | |
| 10:45am – 11:00am | <ul style="list-style-type: none"> <input type="checkbox"/> Mid-day market closed |
| Order Cancellation Period | |
| 10:55am – 11:00am | <ul style="list-style-type: none"> <input type="checkbox"/> Simulate real-life conducting cancel outstanding orders |
| Afternoon Continuous Trading Session (CTS) | |

| Time | Activities |
|---|--|
| 11:00am – 12:00noon | <ul style="list-style-type: none"> <input type="checkbox"/> The continuous trading session consists of <ul style="list-style-type: none"> - Without VCM monitoring (11:00am - 11:15am) - With VCM monitoring (11:15am - 11:40am) - Without VCM monitoring (11:40am - 12:00noon) <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session. <p>For Liquidity Provider and Market Maker:</p> <ul style="list-style-type: none"> - Submit market making orders or quotes on all their assigned products. <ul style="list-style-type: none"> <input type="checkbox"/> Where applicable, input orders on VCM securities to trigger VCM cooling-off period and input order (within and outside the price limit) during the VCM cooling-off period. <input type="checkbox"/> Where applicable, verify the BSS/NSTD has the ability to correctly display the reference price, upper and lower limits, start and end time of the VCM cooling-off period. <input type="checkbox"/> Orders outstanding at the end of the CTS will be carried forward to the CAS and treated as at-auction limit orders, except the system will cancel those aggressive orders with prices outside the permissible price limit. <p>Please note that EPs who do not follow the testing guidelines or conduct frivolous activities during the MR1 may be suspended from further participation in the MR1 without prior warning.</p> |
| Second Volume Test Session (CTS) | |
| 11:30am – 11:35am | <input type="checkbox"/> Same as First Volume Test Session |
| Afternoon Continuous Trading Session (CTS) | |
| 11:35am – 12:00noon | <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session |
| Closing Auction Session (CAS) | |
| 12:00noon – 12:10pm | <ul style="list-style-type: none"> <input type="checkbox"/> The Closing Auction Session (CAS) consists of <ul style="list-style-type: none"> - Reference Price Fixing Period (12:00noon - 12:01pm) - Order Input Period (12:01pm - 12:06pm) - No-Cancellation Period (12:06pm - 12:08pm) - Random Closing Period (12:08pm - 12:10pm [random close time]) - Order Matching (12:08pm [random start time]- completion of matching [variable end time]) - Day Close upon completion of matching <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the CAS. |

| Time | Activities |
|---|--|
| | <ul style="list-style-type: none"> <input type="checkbox"/> Input manual trades during the CAS. <input type="checkbox"/> Amend/cancel some of the outstanding limit orders carried forward from the CTS <ul style="list-style-type: none"> - Ensure the BSS/NSTD can handle the transition from the CTS to the CAS. - Ensure the BSS/NSTD has the ability to cope with various trading statuses during the CAS. - Where applicable, verify the BSS/NSTD has the ability to correctly display Indicative Equilibrium Prices/Volume, Order Imbalance and Direction, Reference Price, Price Limits and closing prices on the trading screen for the CAS. - Test the BSS/NSTD has the ability to handle auction matching trades related to orders input during the CTS and CAS. <p>For Market Makers choosing not to carry forward quotes to the CAS:</p> <ul style="list-style-type: none"> - Verify the BSS has the ability to withdraw large number of outstanding orders for market making securities in an efficient and effective manner. |
| Day Close – upon completion of matching | |
| 12:10pm | <p>For CMG/NSTD:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform trader logout. <input type="checkbox"/> Perform ET Trade Speed Station end-of-trading procedure. <input type="checkbox"/> Logout and terminate CMG session. <input type="checkbox"/> Logout all ET Trade Speed Station. <p>For CMG/BSS:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Logout and terminate CMG session. <input type="checkbox"/> Perform end-of-trading procedures, if any, to ensure database integrity. <input type="checkbox"/> Clean up the transaction data (e.g. orders and trades) entered during the MR1 from BSS, if applicable. <input type="checkbox"/> Restore the data and proper BSS production configuration for following Monday, if necessary. <p>Note: Keep all BSS/NSTD components powered-on throughout the weekend after the MR1.</p> |
| Download Day-end Trade File and Closing Price File | |
| 12:30pm – 1:00pm | <ul style="list-style-type: none"> <input type="checkbox"/> Day-end closing price file and trade file in Central Trade Feed (CTF) format will be available from 12:30pm onwards. EPs are required to login Electronic Communication Platform (ECP) (https://www.ecp.hkex.com.hk/) by inputting the production user ID with the “TO” user group (i.e. user ID of MXXXXXTOXXX) and production password. |
| After 1:00pm | <ul style="list-style-type: none"> <input type="checkbox"/> Complete and return the Feedback Form to HKEX through Electronic Communication Platform (ECP) on or before 9 August 2021. If EPs submit the same file again, the latest copy will supersede the previous copy. |
| Software fallback for BSS (if applicable) | |
| After 1:00pm | <p>For BSS :</p> <ul style="list-style-type: none"> <input type="checkbox"/> Fallback the BSS software to OCG compatible version (if applicable) |

| Time | Activities |
|--|---|
| Post Test Verification Session after MR1 - fallback to OCG (optional and applicable to EPs with prior registration) | |
| Before 8:00pm | <p>Note : <i>Only EPs who have submitted notification form, will have ALL of their enrolled production OCG sessions enabled to participate in the Post Test verification session.</i></p> <p>Logon to OTP-C Host</p> <p>For OCG/NSTD</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform Administrator Logon to ET Trade Speed Station. <input type="checkbox"/> Perform logon for OCG sessions (including Trading and Drop Copy sessions) by using the production password. <input type="checkbox"/> Perform ET Trade Speed Station start-of-trading procedure <input type="checkbox"/> Perform Trader logon. <input type="checkbox"/> Note: If EP encounters any issue on ET Trade Speed Station, please directly contact ET Trade Customer Service Hotline at 2880-8601 or by email to cs@etnet.com.hk. <p>For OCG/BSS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Connect to OCG for all OCG sessions (including Trading and Drop Copy sessions). <input type="checkbox"/> Logon using the assigned Comp ID(s) and Production password for all OCG sessions (including Trading and Drop Copy sessions). <p>Participating EPs are reminded to input password correctly as unlock OCG session or reset password will <u>not</u> be handled during the Post Test Verification Session.</p> |
| Continuous Trading Session | |
| 8:00pm – 9:00pm | <ul style="list-style-type: none"> <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session. |
| Day Close at 9:00pm | |
| 9:00pm | <p>For OCG/NSTD:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform trader logout. <input type="checkbox"/> Perform ET Trade Speed Station end-of-trading procedure. <input type="checkbox"/> Logout and terminate OCG session. <input type="checkbox"/> Logout all ET Trade Speed Station. <p>For OCG/BSS:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Logout and terminate OCG session. <input type="checkbox"/> Perform end-of-trading procedures, if any, to ensure database integrity. <input type="checkbox"/> Clean up the transaction data (e.g. orders and trades) entered during the MR1 from BSS, if applicable. <input type="checkbox"/> Restore the data and proper BSS production configuration for following Monday, if necessary. <p>Note: Keep all BSS/NSTD components powered-on throughout the weekend after the Post Test Verification Session.</p> |

| Time | Activities |
|--------------------------------|--|
| 09 August 2021 (Monday) | |
| Before 8:30am | <p><u>Logon to OTP-C Host</u></p> <p>For OCG/NSTD</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform Administrator Logon to ET Trade Speed Station. <input type="checkbox"/> Perform logon for OCG sessions (including Trading and Drop Copy sessions) by using the production password. <input type="checkbox"/> Perform ET Trade Speed Station start-of-trading procedure <input type="checkbox"/> Perform Trader logon. <input type="checkbox"/> Note: If EP encounters any issue on ET Trade Speed Station, please directly contact ET Trade Customer Service Hotline at 2880-8601 or by email to cs@etnet.com.hk. <p>For OCG/BSS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform logon for OCG sessions (including Trading and Drop Copy sessions) by using production password. |

Appendix C – Activity Rundown for CMG MR2 on 21 August 2021

| Time | Activities |
|----------------------------------|--|
| 20 August 2021 (Friday) | |
| After 5:00pm | <ul style="list-style-type: none"> <input type="checkbox"/> Ensure all BSS/NSTD components (including network routers and workstations) are powered on after trading hours. <input type="checkbox"/> Ensure the production database of in-house / back-office systems are properly backed-up before the MR2. <input type="checkbox"/> Prepare BSS for CMG compatible version if EP has new BSS version for CMG rollout. <p>Notes :</p> <ul style="list-style-type: none"> • <i>For BSS, please do not input any next day requests after trading hours on Friday (i.e. requests intended for submission to host on the following trading day, since next day requests will be submitted to OTP-C host during MR2 and will not be available on the following trading day)</i> • <i>After MR2 and Post Test Verification Session (if applicable), EPs are also reminded to clean up the next day requests (if any) to ensure that these testing orders will not be carried forward to the production on the following trading day</i> |
| 21 August 2021 (Saturday) | |
| Before 9:00am | <p><u>Logon to OTP-C Host</u></p> <p>For CMG/NSTD</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform Administrator Logon to ET Trade Speed Station. <input type="checkbox"/> Perform logon for CMG sessions (including Trading and Drop Copy sessions) by using the production password. <input type="checkbox"/> Perform ET Trade Speed Station start-of-trading procedure <input type="checkbox"/> Perform Trader logon. <input type="checkbox"/> Note: If EP encounters any issue on ET Trade Speed Station, please directly contact ET Trade Customer Service Hotline at 2880-8601 or by email to cs@etnet.com.hk. <p>For CMG/BSS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Connect to CMG for all CMG sessions (including Trading and Drop Copy sessions). <input type="checkbox"/> Logon using the assigned Comp ID(s) and the production password for all CMG sessions (including Trading and Drop Copy sessions). |
| Pre-opening Session (POS) | |
| 9:00am – 9:30am | <ul style="list-style-type: none"> <input type="checkbox"/> The Pre-Opening Session (POS) consists of <ul style="list-style-type: none"> - Order Input period (9:00am - 9:15am) - No-cancellation period (9:15am - 9:20am) - Random Matching period (9:20am - 9:22am [random matching start time]) - Order Matching (9:20am [random start time] – completion of order matching [variable end time]) - Blocking period (upon completion of order matching [variable end time] - 9:30am) <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the POS. |

| Time | Activities |
|--|--|
| | <ul style="list-style-type: none"> <input type="checkbox"/> Input manual trades during the POS. <input type="checkbox"/> Ensure that the BSS/NSTD has the ability to cope with various trading statuses during the POS. <input type="checkbox"/> Where applicable, verify the BSS/NSTD has the ability to correctly display Indicative Equilibrium Prices/Volume, Order Imbalance and Direction, Reference Price and Price Limits on the trading screen for the POS. |
| Continuous Trading Session (CTS) | |
| 9:30am – 1:00pm | <ul style="list-style-type: none"> <input type="checkbox"/> The continuous trading session consists of <ul style="list-style-type: none"> - Without VCM monitoring (9:30am - 9:45am) - With VCM monitoring (9:45am - 12:40pm) - Without VCM monitoring (12:40pm - 1:00pm) <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session. <p>For Liquidity Provider and Market Maker:</p> <ul style="list-style-type: none"> - Submit market making orders or quotes on all their assigned products <ul style="list-style-type: none"> <input type="checkbox"/> Where applicable, input orders on VCM securities to trigger VCM cooling-off period and input order (within and outside the price limit) during the VCM cooling-off period. <input type="checkbox"/> Where applicable, verify the BSS/NSTD has the ability to correctly display the reference price, upper and lower limits, start and end time of the VCM cooling-off period. <p>Please note that EPs who do not follow the testing guidelines or conduct frivolous activities during the MR2 may be suspended from further participation in the MR2 without prior warning.</p> |
| Simulated System Failure / Trading Interruption | |
| 10:30am | <ul style="list-style-type: none"> <input type="checkbox"/> EPs should pay attention to HKEX’s announcement of the contingency arrangement via Exchange News. The Exchange News will be available through OMD-C. <input type="checkbox"/> If Exchange News cannot be disseminated through OMD-C, EPs should pay attention to HKEX’s announcement via email with email address provided in Notification Form. |
| After 10:30am | <p>For CMG/NSTD</p> <ul style="list-style-type: none"> <input type="checkbox"/> Print out the trades concluded in OTP-C for records <p>For CMG/BSS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform the necessary preparation and backup the trades concluded in OTP-C before failure on their BSS and/or back office system (if applicable) <input type="checkbox"/> Output the trades concluded in OTP-C via Drop Copy function for record and verification purpose (if applicable) |

| Time | Activities |
|---|--|
| Resumption of Trading / Trading Restart at Backup Site | |
| At 11:30am | <ul style="list-style-type: none"> <input type="checkbox"/> Logon to OTP-C Host again. <input type="checkbox"/> Make order and trade enquiries and print out Trade Journal locally, if applicable. <input type="checkbox"/> Check and reconcile cancelled, matched and outstanding orders. <input type="checkbox"/> Confirm with counter-parties on all manual trades input within 5 minutes before system crash, if applicable. <input type="checkbox"/> Report any discrepancy to the Exchange. |
| Order Cancel Session | |
| 11:45am - 12:00noon | <ul style="list-style-type: none"> <input type="checkbox"/> Cancel outstanding orders individually as many as possible for rehearsal purpose. |
| Continuous Trading Session (CTS) | |
| 12:00noon – 1:00pm | <ul style="list-style-type: none"> <input type="checkbox"/> The continuous trading session consists of <ul style="list-style-type: none"> - With VCM monitoring (12:00noon – 12:40pm) - Without VCM monitoring (12:40pm – 1:00pm) <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session. <p>For Liquidity Provider and Market Maker:</p> <ul style="list-style-type: none"> - Submit market making orders or quotes on all their assigned products. <ul style="list-style-type: none"> <input type="checkbox"/> Where applicable, input orders on VCM securities to trigger VCM cooling-off period and input order (within and outside the price limit) during the VCM cooling-off period. <input type="checkbox"/> Where applicable, verify the BSS/NSTD has the ability to correctly display the reference price, upper and lower limits, start and end time of the VCM cooling-off period. <p>Please note that EPs who do not follow the testing guidelines or conduct frivolous activities during the MR2 may be suspended from further participation in the MR2 without prior warning.</p> |
| Closing Auction Session (CAS) | |
| 1:00pm – 1:10pm | <ul style="list-style-type: none"> <input type="checkbox"/> The Closing Auction Session (CAS) consists of <ul style="list-style-type: none"> - Reference Price Fixing Period (1:00pm - 1:01pm) - Order Input Period (1:01pm - 1:06pm) - No-Cancellation Period (1:06pm - 1:08pm) - Random Closing Period (1:08pm - 1:10pm [random close time]) - Order Matching (1:08pm [random start time] - completion of matching [variable end time]) - Day Close upon completion of matching |

| Time | Activities |
|---|---|
| | <ul style="list-style-type: none"> <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the CAS. <input type="checkbox"/> Input manual trades during the CAS. <input type="checkbox"/> Amend/cancel some of the outstanding limit orders carried forward from the CTS <ul style="list-style-type: none"> - Ensure the BSS/NSTD can handle the transition from the CTS to the CAS. - Ensure the BSS/NSTD has the ability to cope with various trading statuses during the CAS. - Where applicable, verify the BSS/NSTD has the ability to correctly display Indicative Equilibrium Prices/Volume, Order Imbalance and Direction, Reference Price, Price Limits and closing prices on the trading screen for the CAS. - Test the BSS/NSTD has the ability to handle auction matching trades related to orders input during the CTS and CAS. <p>For Market Makers choosing not to carry forward quotes to the CAS:</p> <ul style="list-style-type: none"> - Verify the BSS has the ability to withdraw large number of outstanding orders for market making securities in an efficient and effective manner. |
| Day Close – upon completion of matching | |
| 1:10pm | <p>For CMG/NSTD:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform trader logout. <input type="checkbox"/> Perform ET Trade Speed Station end-of-trading procedure. <input type="checkbox"/> Logout and terminate CMG session. <input type="checkbox"/> Logout all ET Trade Speed Station. <p>For CMG/BSS:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Logout and terminate CMG session. <input type="checkbox"/> Perform end-of-trading procedures, if any, to ensure database integrity. <input type="checkbox"/> Clean up the transaction data (e.g. orders and trades) entered during the MR1 from BSS, if applicable. <input type="checkbox"/> Restore the data and proper BSS production configuration for following Monday, if necessary. <p>Note: Keep all BSS/NSTD components powered-on throughout the weekend after the MR2.</p> |
| Download Day-end Trade File and Closing Price File | |
| 1:30pm – 2:00pm | <ul style="list-style-type: none"> <input type="checkbox"/> Day-end closing price file and trade file in Central Trade Feed (CTF) format will be available from 1:30pm onwards. EPs are required to login Electronic Communication Platform (ECP) (https://www.ecp.hkex.com.hk/) by inputting the production user ID with the “TO” user group (i.e. user ID of MXXXXXTOXXX) and production password. |
| After 2:00pm | <ul style="list-style-type: none"> <input type="checkbox"/> Complete and return the Feedback Form to HKEX through Electronic Communication Platform (ECP) on or before 23 August 2021. If EPs submit the same file again, the latest copy will supersede the previous copy. |

| Time | Activities |
|--|---|
| Software fallback for BSS (if applicable) | |
| After 2:00pm | For BSS : <input type="checkbox"/> Fallback the BSS software to OCG compatible version (if applicable) |
| Post Test Verification Session after MR2 - fallback to OCG (optional and applicable to EPs with prior registration) | |
| Before 8:00pm | <p>Note : <i>Only EPs <u>who have submitted notification form</u>, will have ALL of their enrolled production OCG sessions enabled to participate in the Post Test verification session.</i></p> <p>Logon to OTP-C Host For OCG/NSTD</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform Administrator Logon to ET Trade Speed Station. <input type="checkbox"/> Perform logon for OCG sessions (including Trading and Drop Copy sessions) by using the production password. <input type="checkbox"/> Perform ET Trade Speed Station start-of-trading procedure <input type="checkbox"/> Perform Trader logon. <input type="checkbox"/> Note: If EP encounters any issue on ET Trade Speed Station, please directly contact ET Trade Customer Service Hotline at 2880-8601 or by email to cs@etnet.com.hk. <p>For OCG/BSS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Connect to OCG for all OCG sessions (including Trading and Drop Copy sessions). <input type="checkbox"/> Logon using the assigned Comp ID(s) and Production password for all OCG sessions (including Trading and Drop Copy sessions). <p>Participating EPs are reminded to input password correctly as unlock OCG session or reset password will <u>not</u> be handled during the Post Test Verification Session.</p> |
| Continuous Trading Session | |
| 8:00pm – 9:00pm | <input type="checkbox"/> Simulate real-life trading activities (in terms of transaction pattern and volume) during the continuous trading session. |
| Day Close at 9:00pm | |
| 9:00pm | For OCG/NSTD : <ul style="list-style-type: none"> <input type="checkbox"/> Perform trader logout. <input type="checkbox"/> Perform ET Trade Speed Station end-of-trading procedure. <input type="checkbox"/> Logout and terminate OCG session. <input type="checkbox"/> Logout all ET Trade Speed Station. For OCG/BSS : <ul style="list-style-type: none"> <input type="checkbox"/> Logout and terminate OCG session. <input type="checkbox"/> Perform end-of-trading procedures, if any, to ensure database integrity. <input type="checkbox"/> Clean up the transaction data (e.g. orders and trades) entered during the MR1 from BSS, if applicable. <input type="checkbox"/> Restore the data and proper BSS production configuration for following Monday, if necessary. |

| Time | Activities |
|--------------------------------|---|
| | <p>Note: Keep all BSS/NSTD components powered-on throughout the weekend after the Post Test Verification Session.</p> |
| 23 August 2021 (Monday) | |
| <p>Before 8:30am</p> | <p><u>Logon to OTP-C Host</u> For OCG/NSTD</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform Administrator Logon to ET Trade Speed Station. <input type="checkbox"/> Perform logon for OCG sessions (including Trading and Drop Copy sessions) by using the production password. <input type="checkbox"/> Perform ET Trade Speed Station start-of-trading procedure <input type="checkbox"/> Perform Trader logon. <input type="checkbox"/> Note: If EP encounters any issue on ET Trade Speed Station, please directly contact ET Trade Customer Service Hotline at 2880-8601 or by email to cs@etnet.com.hk. <p>For OCG/BSS</p> <ul style="list-style-type: none"> <input type="checkbox"/> Perform logon for OCG sessions (including Trading and Drop Copy sessions) by using production password. |

Appendix D – Privacy Policy Statement

Privacy Policy Statement

Hong Kong Exchanges and Clearing Limited, and from time to time, its subsidiaries (together the "Group") (and each being "HKEX", "we", "us" or "member of the Group" for the purposes of this Privacy Policy Statement as appropriate) recognise their responsibilities in relation to the collection, holding, processing, use and/or transfer of personal data under the Personal Data (Privacy) Ordinance (Cap. 486) ("PDPO"). Personal data will be collected only for lawful and relevant purposes and all practicable steps will be taken to ensure that personal data held by us is accurate. We will use your personal data which we may from time to time collect in accordance with this Privacy Policy Statement.

We regularly review this Privacy Policy Statement and may from time to time revise it or add specific instructions, policies and terms. Where any changes to this Privacy Policy Statement are material, we will notify you using the contact details you have provided us with and, where required by the PDPO, give you the opportunity to opt out of these changes by means notified to you at that time. Otherwise, in relation to personal data supplied to us through the HKEX website or otherwise, continued use by you of the HKEX website or your continued relationship with us shall be deemed to be your acceptance of and consent to this Privacy Policy Statement, as amended from time to time.

If you have any questions about this Privacy Policy Statement or how we use your personal data, please contact us through one of the communication channels set out in the "Contact Us" section below.

We will take all practicable steps to ensure the security of the personal data and to avoid unauthorised or accidental access, erasure or other use. This includes physical, technical and procedural security methods, where appropriate, to ensure that the personal data may only be accessed by authorised personnel.

Please note that if you do not provide us with your personal data (or relevant personal data relating to persons appointed by you to act on your behalf) we may not be able to provide the information, products or services you have asked for or process your requests, applications, subscriptions or registrations, and may not be able to perform or discharge the Regulatory Functions (defined below).

Purpose

From time to time we may collect your personal data including but not limited to your name, mailing address, telephone number, email address, date of birth and login name for the following purposes:

1. to process your applications, subscriptions and registration for our products and services;
2. to perform or discharge the functions of HKEX and any company of which HKEX is the recognised exchange controller (as defined in the Securities and Futures Ordinance (Cap. 571)) ("Regulatory Functions");
3. to provide you with our products and services and administer your account in relation to such products and services;
4. to conduct research and statistical analysis;
5. to process your application for employment or engagement within HKEX to assess your suitability as a candidate for such position and to conduct reference checks with your previous employers; and
6. other purposes directly relating to any of the above.

Direct marketing

Where you have given your consent and have not subsequently opted out, we may also use your name, mailing address, telephone number and email address to send promotional materials to you and conduct direct marketing activities in relation to HKEX financial services and information services, and financial services and information services offered by other members of the Group.

If you do not wish to receive any promotional and direct marketing materials from us or do not wish to receive particular types of promotional and direct marketing materials or do not wish to receive such materials through any particular means of communication, please contact us through one of the communication channels set out in the "Contact Us" section below. To ensure that your request can be processed quickly please provide your full name, email address, log in name and details of the product and/or service you have subscribed.

Identity Card Number

We may also collect your identity card number and process this as required under applicable law or regulation, as required by any regulator having authority over us and, subject to the PDPO, for the purpose of identifying you where it is reasonable for your identity card number to be used for this purpose.

Transfers of personal data for direct marketing purposes

Except to the extent you have already opted out we may transfer your name, mailing address, telephone number and email address to other members of the Group for the purpose of enabling those members of the Group to send promotional materials to you and conduct direct marketing activities in relation to their financial services and information services.

Other transfers of your personal data

For one or more of the purposes specified above, your personal data may be:

1. transferred to other members of the Group and made available to appropriate persons in the Group, in Hong Kong or elsewhere and in this regard you consent to the transfer of your data outside of Hong Kong;
2. supplied to any agent, contractor or third party who provides administrative, telecommunications, computer, payment, debt collection, data processing or other services

to HKEX and/or any of other member of the Group in Hong Kong or elsewhere; and
3. other parties as notified to you at the time of collection.

How we use cookies

If you access our information or services through the HKEX website, you should be aware that cookies are used. Cookies are data files stored on your browser. The HKEX website automatically installs and uses cookies on your browser when you access it. Two kinds of cookies are used on the HKEX website:

Session Cookies: temporary cookies that only remain in your browser until the time you leave the HKEX website, which are used to obtain and store configuration information and administer the HKEX website, including carrying information from one page to another as you browse the site so as to, for example, avoid you having to re-enter information on each page that you visit. Session cookies are also used to compile anonymous statistics about the use of the HKEX website.

Persistent Cookies: cookies that remain in your browser for a longer period of time for the purpose of compiling anonymous statistics about the use of the HKEX website or to track and record user preferences.

The cookies used in connection with the HKEX website do not contain personal data. You may refuse to accept cookies on your browser by modifying the settings in your browser or internet security software. However, if you do so you may not be able to utilise or activate certain functions available on the HKEX website.

Compliance with laws and regulations

HKEX and other members of the Group may be required to retain, process and/or disclose your personal data in order to comply with applicable laws and regulations or in order to comply with a court order, subpoena or other legal process (whether in Hong Kong or elsewhere), or to comply with a request by a government authority, law enforcement agency or similar body (whether situated in Hong Kong or elsewhere) or to perform or discharge the Regulatory Functions. HKEX and other members of the Group may need to disclose your personal data in order to enforce any agreement with you, protect our rights, property or safety, or the rights, property or safety of our employees, or to perform or discharge the Regulatory Functions.

Corporate reorganisation

As we continue to develop our business, we may reorganise our group structure, undergo a change of control or business combination. In these circumstances it may be the case that your personal data is transferred to a third party who will continue to operate our business or a similar service under either this Privacy Policy Statement or a different privacy policy statement which will be notified to you. Such a third party may be located, and use of your personal data may be made, outside of Hong Kong in connection with such acquisition or reorganisation.

Access and correction of personal data

Under the PDPO, you have the right to ascertain whether we hold your personal data, to obtain a copy of the data, and to correct any data that is inaccurate. You may also request us to inform you of the type of personal data held by us. All data access requests shall be made using the form prescribed by the Privacy Commissioner for Personal Data ("Privacy Commissioner") which may be found on the official website of the Office of the Privacy Commissioner or via this link

<https://www.pcpd.org.hk/english/publications/files/Dforme.pdf>

Requests for access and correction of personal data or for information regarding policies and practices and kinds of data held by us should be addressed in writing and sent by post to us (see the "Contact Us" section below).

A reasonable fee may be charged to offset our administrative and actual costs incurred in complying with your data access requests.

Termination or cancellation

Should your account or relationship with us be cancelled or terminated at any time, we shall cease processing your personal data as soon as reasonably practicable following such cancellation or termination, provided that we may keep copies of your data as is reasonably required for archival purposes, for use in relation to any actual or potential dispute, for the purpose of compliance with applicable laws and regulations and for the purpose of enforcing any agreement we have with you, for protecting our rights, property or safety, or the rights, property or safety of our employees, and for performing or discharging our functions, obligations and responsibilities.

General

If there is any inconsistency or conflict between the English and Chinese versions of this Privacy Policy Statement, the English version shall prevail.

Contact us

By Post:
Personal Data Privacy Officer
Hong Kong Exchanges and Clearing Limited
8/F., Two Exchange Square
8 Connaught Place
Central
Hong Kong

By Email:
DataPrivacy@HKEX.COM.HK