# HKEX
## 香港交易所

香港中央結算有限公司
(香港交易及結算所有限公司全資附屬公司)

HONG KONG SECURITIES CLEARING COMPANY LIMITED
(A wholly-owned subsidiary of Hong Kong Exchanges and Clearing Limited)

# 通告 CIRCULAR

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**Subject:** Market Rehearsal due to (i) System Infrastructure Upgrade and Relocation of CCASS Secondary Data Centre; and (ii) Set up of Secondary Data Centre for Orion Risk Platform (ORP)

**Enquiry:**
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## i. Infrastructure Upgrade and Relocation of Secondary Data Centre – *applicable to ALL CCASS Participants*

Hong Kong Exchanges and Clearing Limited (HKEX) plans to upgrade the system infrastructure and relocate the Secondary Data Centre (SDC) for its Central Clearing and Settlement System (CCASS) in August 2021. The infrastructure upgrade will be conducted within HKEX premise and have no impact to CCASS Participants' network setup. CCASS Participants shall continue to access CCASS with their existing connectivity configuration. In addition, there will be no functional nor interface impact to CCASS Participants.

The relocation of existing SDC to a newly equipped SDC aims to enhance disaster recovery resilience of HKEX core services. In case of contingency, HKEX needs to activate its back up arrangement at SDC, CCASS Participants should use their **existing connectivity configuration** to connect to CCASS via the new SDC.

To ensure CCASS Participants able to connect to CCASS during contingency after relocation of SDC, Market Rehearsal (MR) will be held on 24 July 2021 (Saturday), with 31 July 2021 (Saturday) reserved as a backup session, in case there are any CCASS Participants encountered issues during MR on 24 July 2021 and would like to re-verify their readiness. **<u>CCASS Participants are highly recommended to participate in the MR</u>** in order to verify their connectivity to CCASS via the new SDC.

Subject to successful completion of MR, HKEX plans to relocate its existing SDC to the new SDC for production use from 16 August 2021 (Monday) onward, prior to that, a Post Release Test (PRT) will be held on 14 August 2021 (Saturday). Details of PRT will be announced in due course.

Furthermore, as it was set out in the circular dated 4 November 2019 (Reference: CD/CDCO/CCASS/027/2019), Microsoft ended its support for Microsoft Windows 7 since 14 January 2020.  ALL CCASS Terminals' should have been upgraded to Microsoft Windows 10 Pro (64-bit) which support more secure Transport Layer Security protocol TLS 1.2.  CCASS Participants please note that *from 19 July 2021* onward, CCASS Terminals installed with non-compatible Windows version (e.g. Windows 7) **will NO longer be able to connect to CCASS**. CCASS Participants should check with your service providers, vendors and/or IT department to conduct necessary upgrade before then, if applicable.

ii.  **SDC setup for ORP** – *applicable to Clearing Participants only*

During the relocation of SDC for CCASS, HKEX will setup a SDC for Orion Risk Platform (ORP), which is scheduled to be launched by end of 2021 tentatively.  In case of contingency, HKEX will announce the activation of SDC for ORP, Clearing Participants should access i) Report Access Platform (RAP) to retrieve ORP reports; and ii) ORP Online for margin simulation (if applicable) via SDC using their **existing connectivity configuration**.

To save Clearing Participants' effort and to get ready for the launch of ORP, during CCASS MR scheduled on 24 July 2021 (Saturday), **ALL** Clearing Participants should participate and verify that they can access RAP and ORP Online via the newly setup SDC to cater for contingency situation.  31 July 2021 (Saturday) will also be reserved as back-up session.

*Please note that communication on the preparation for the launch of ORP will be announced separately in due course.*

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Highlights of CCASS MR (& ORP connectivity verification) are as follows:

| Date | Time | Objectives |
|---|---|---|
| 24 July 2021 (Saturday)<br><br>*Reserved MR :*<br>*31 July 2021 (Saturday)* | Session 1 – HKEX SDC<br><br>16:30 to 18:30 | <u>Connectivity test to new HKEX SDC</u><br><br>*CCASS – applicable to ALL CCASS Participants*<br>• Verify CCASS connectivity via SDC by login to C3T/PG<br>• Perform on-line maintenance and enquiries<br>• Upload batch files, if necessary<br>• Retrieve CCASS reports/data files<br><br>*ORP – applicable to Clearing Participants only*<br>• Verify RAP and ORP Online (if applicable) connectivity via SDC by login to DR RAP and ORP Online.<br>• Retrieve ORP reports/data files via RAP |
| | Session 2 – HKEX Primary Data Centre<br><br>20:30 to 22:30 | <u>Connectivity test to HKEX Primary Data Centre</u><br><br>*CCASS – applicable to ALL CCASS Participants*<br>• Verify CCASS connectivity via HKEX Primary Data Centre by login to C3T.<br><br>*ORP – applicable to Clearing Participants only*<br>• Verify RAP and ORP Online (if applicable) connectivity via HKEX Primary Data Centre by login to RAP and ORP Online.<br>• Retrieve ORP reports/data files via RAP |
| 25 July 2021 (Sunday)<br><br>*Reserved MR :*<br>*1 August 2021 (Sunday)* | Post MR Health Check<br><br>10:00 to 12:00 | *** ***Optional* to CCASS Participants who have joined MR*** ***<br><br><u>Production connectivity test to HKEX Primary Data Centre after completion of MR</u><br><br>• Login to C3T to verify the production connectivity |

For better communication on the related activities, CCASS Participants (including Clearing Participants) should provide their MR designated contact details through "**Event**" via Client Connect **on or before 21 July 2021**. Detailed arrangement and information package of the MR will be provided to registered CCASS Participants separately.

Due to the MR, CCASS services will be suspended on 24 July 2021 and 31 July 2021. CCASS Participants should take note of the following:

- CCASS Production Reports as of Saturday, i.e. 24 July 2021 and 31 July 2021, will be available on the following Monday, i.e. 26 July 2021 and 2 August 2021.
- In case any CCASS Participants do not intend to participate in the MR, they should NOT logon CCASS on Saturday, i.e. 24 July 2021 and 31 July 2021.

CCASS Participants are highly recommended to coordinate with their IT teams and/or vendors for necessary preparation for the MR. Moreover, CCASS Participants should secure sufficient operation staff familiar with CCASS operations and support from their IT teams and/or vendors at all times during the MR. For any enquiries, please contact the **(i) CCASS Hotline** at 2979 7111 or email at clearingps@hkex.com.hk ; and **(ii) ORP Hotline** at 2211 6828 or email at NG_PostTrade@hkex.com.hk.

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*This circular has been issued in the English language with a separate Chinese language translation. If there is any conflict in the circulars between the meaning of Chinese words or terms in the Chinese language version and English words in the English language version, the meaning of the English words shall prevail.*