

香港交易所設備託管服務有限公司

(香港交易及結算所有限公司集團全資附屬成員機構)

HKEX HOSTING SERVICES LIMITED

(A wholly-owned member of the Hong Kong Exchanges and Clearing Limited Group)

客戶通告 SUBSCRIBER NOTICE

Subject: HSN Production Cutover for HSN Firewalls and Network Switches Replacement
on 5 October and 12 October 2019

Enquiry: HKEX Hosting Service Desk Hotline

Tel: (852) 2211 6080 or Email: hsservicedesk@hkex.com.hk

To: All Subscribers

Following the successful completion of HSN Production Cutover Phase 1 on 28 September 2019, HSN Production Cutover Phases 2 and 3 will be taken place on 5 October 2019 and 12 October 2019 respectively.

Subjected to successful completion of each phase of HSN Production Cutover, HSN subscribers **MUST** perform HSN Production Cutover Verification Tests in the mornings of 5 October 2019 (between 9 a.m. to 12:10 p.m.) and 12 October 2019 (tentatively between 9 a.m. to 12:10 p.m.) for verifying the HSN connections after each phase of HSN Production Cutover. HSN subscribers are required to declare the readiness for the Hardware Replacement after each phase of HSN Production Cutover.

1. HSN Production Cutover Verification Test on 5 October 2019

Time	Brief Activities
9:00a.m. to 12:10p.m.	<p>Cash Market : OTP-C logon test for production OCG/BSS connecting to HSN and production OCG/NSTD (applicable to Exchange Participants being invited by ET Trade Ltd), if applicable</p> <p>China Stock Connect : CCCG logon test, if applicable</p> <p>Please kindly use the assigned Comp ID(s) and password “Ab123456” to perform logon.</p> <p>Market Data Systems: OMD-C, OMD-CC and/or IIS test(s), if applicable</p> <p>Please verify all subscribed OMD multicast groups as well as the retransmission (RTS) unicast connectivity.</p> <p>For IIS, please perform logon test.</p>
10:00a.m. to 12:00 noon	<p>Derivatives Market: HKATS and/or DCASS production logon test(s), if applicable</p> <p>Market Data Systems: OMD-D, if applicable</p> <p>Please verify all subscribed OMD multicast groups as well as the retransmission (RTS) unicast connectivity.</p>

2. HSN Production Cutover Verification Test on 12 October 2019

Time (Tentative)	Brief Activities
9:00a.m. to 12:10p.m.	<p>Cash Market : OTP-C logon test for production OCG/BSS connecting to HSN and production OCG/NSTD (applicable to Exchange Participants being invited by ET Trade Ltd), if applicable</p> <p>China Stock Connect : CCCG logon test, if applicable</p> <p>Please kindly use the assigned Comp ID(s) and password “Ab123456” to perform logon.</p> <p>Market Data Systems: OMD-C, OMD-CC and/or IIS test(s), if applicable</p> <p>Please verify all subscribed OMD multicast groups as well as the retransmission (RTS) unicast connectivity. Please note that on the same day, there will be Market Rehearsal of Technical Refresh of OMD-C and MMDH, multicast data transmission of OMD-C will be stopped during the site failover of OMD-C from primary to backup site. The period will be stated in the detailed rundown and email to registered test contact no later than 4 October 2019.</p> <p>For IIS, please perform logon test.</p>
10:00a.m. to 12:00 noon	<p>Derivatives Market: HKATS and/or DCASS production logon test(s), if applicable</p> <p>Market Data Systems: OMD-D, if applicable</p> <p>Please verify all subscribed OMD multicast groups as well as the retransmission (RTS) unicast connectivity.</p>

3. In order to ensure each phase of HSN Production Cutover has been completed successfully, HKEX-Hosting appreciates the earliest confirmation of the readiness of the HSN connectivity. Please submit the completed “**HSN Production Cutover Verification Test Result Confirmation Form**” by fax or email **before 1:00p.m. of the day of each phase of HSN Production Cutover** to HKEX Hosting Service Desk (Fax No.: (852) 2462 0722 Email: hsservicedesk@hkex.com.hk).

4. Arrangement of unplanned disruptions

- Typhoon, Extreme Conditions and Rainstorm Arrangements on 5 October 2019 and 12 October 2019

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

Condition	Arrangement
If Tropical Storm Warning Signal No. 8 or above or Extreme Conditions or Black Rainstorm Warning is issued/ announced or continues to be in force anytime from 7:00a.m. to before 9:00a.m.	HSN Production Cutover Verification Test will be cancelled and will not be resumed for the rest of the day.
If Tropical Storm Warning Signal No. 8 or above or Extreme Conditions is issued on or after 9:00a.m.	HSN Production Cutover Verification Test will be terminated 15 minutes thereafter.
If Black Rainstorm Warning Signal is issued on or after 9:00a.m.	HSN Production Cutover Verification Test will continue until completion.

- Under exceptional circumstances, such as severe transportation incident...etc., HKEX-Hosting will inform the contact(s) as provided by HSN subscribers on their submitted "Participation Form of HSN Production Cutover Verification Test" by email and/or SMS as soon as possible if the HSN Production Cutover Verification Test would be cancelled.

For any enquiries, please contact the Hosting Service Desk at (852) 2211 6080 or email hsservicedesk@hkex.com.hk.

5. Please be reminded of the following schedule of other activities of Hardware Replacement:

Date	Brief Activities
Saturday, 5 October 2019	HSN Production Cutover Phase 2: replace the Primary HSN network switches
Saturday, 12 October 2019 (Tentative)	HSN Production Cutover Phase 3: replace the Secondary HSN network switches
Sunday, 13 October 2019 to Friday, 25 October 2019 (Tentative)	Stabilisation period

6. Important Reminder

- In the period between the completion of HSN Production Cutover Phase 2 and before starting of Phase 3, as the Primary HSN network switches have been replaced and are estimated to have around 1 microsecond enhancement over the Secondary HSN network switches (to-be-replaced in Phase 3), HSN subscribers may experience a latency difference between the Primary and Secondary HSN, for example on Orion Market Data feeds disseminated.
- Due to the Hardware Replacement, new HSN provisioning and HSN reconfiguration services will NOT be offered from the successful completion of HSN Readiness Test to the end of stabilisation period, i.e. from 23 September to 25 October 2019 (both dates inclusive), tentatively.
- All messages disseminated from Market Data Systems during the test period should be treated as non-production data and have to be cleaned up afterwards.
- Due to the preparation work of each phase of HSN Production Cutover, there would be service interruption on the HSN connections between 6 a.m. to 8 a.m. on 5 October 2019 and 12 October 2019.
- The replacement of the network switches supporting the NTP time-service will be rescheduled to a later date. HKEX-Hosting will inform the subscribers about the new schedule in due course.
- In the unlikely event that a roll back is required, the original firewalls and network switches will be re-instated. HKEX-Hosting will inform HSN subscribers by email and/or SMS as soon as possible.

Subscribers are highly recommended to coordinate with your IT teams and/or system vendors for necessary preparation. For any enquiries, please contact the Hosting Service Desk at (852) 2211 6080 or email hsservicedesk@hkex.com.hk.

Hosting Services

Information Technology Division

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.