

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

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Subject: Reschedule of HSN Readiness Test for HSN Firewalls and Network Switches  
Replacement to 21 September 2019

Enquiry: HKEX Hosting Service Desk Hotline  
Tel: (852) 2211 6080 or Email: [hsservicedesk@hkex.com.hk](mailto:hsservicedesk@hkex.com.hk)

To: All Subscribers

Thank you for your continuous support and participation in the HKEX Service Network (“HSN”) Readiness Test on 31 August 2019.

As the Readiness Test had been halted due to unexpected circumstance after the successful completion of Phase 1 of the HSN Readiness Test. In order to ensure the infrastructure readiness of HSN Production Cutover, HKEX Hosting Services (“HKEX-Hosting”) has rescheduled the HSN Readiness Test for Phases 2 and 3 of HSN Firewalls and Network Switches Replacement to 21 September 2019.

**Subjected to successful completion of HSN Readiness Test on 21 September 2019, HSN Production Cutover Phase 1: replacement of the HSN firewalls will be taken place on 28 September 2019 as planned. HSN subscribers are required to perform logon test in the morning (tentatively between 9 a.m. to 12 p.m.) on 28 September 2019 for verifying the HSN connections.**

The revised Subscriber Notice for the HSN Readiness Test for Phase 2 and 3 of HSN Firewalls and Network Switches Replacement on 21 September 2019 is as follows:

Reference is made to the Subscriber Notice (ref: [HDS/19/0611](#)) dated 19 June 2019. HKEX-Hosting plans to replace the firewalls and network switches (“Hardware Replacement”) for HSN.

In order to minimize the risk of implementation of the new HSN hardware, the new equipment will be deployed in three phases over multiple weekends (please refer to the schedule in page 5 of this notice).

To ensure a smooth Hardware Replacement, it is a mandatory requirement for HSN subscribers to participate in the HSN Readiness Test to be held on Saturday, 21 September 2019, in order to test the infrastructure readiness for Phases 2 to 3 of HSN Production Cutover. HSN subscribers are required to declare the readiness for the Hardware Replacement.

After the Readiness Test, HSN will be fallback to the to-be-replaced firewalls and network switches (“Original HSN”). HSN subscribers are encouraged to verify the connections to ensure proper connectivity.

1. Submit the completed Attachment 1 “**Participation Form of HSN Readiness Test on 21 September 2019**” to HKEX Hosting Service Desk for confirmation of participation in the HSN Readiness Test by fax or email **at or before 6:00p.m. on 12 September 2019**. (Fax No.: (852) 2462 0722 Email: [hsservicedesk@hkex.com.hk](mailto:hsservicedesk@hkex.com.hk))
2. HSN Readiness Test on 21 September 2019

Date/Time	Brief Activities
<b>Phase 2: Replace the Primary HSN network switches</b>	
9:00a.m. to 11:10a.m.	<p><b>Cash Market : OTP-C test for production OCG/BSS connecting to HSN and production OCG/NSTD (applicable to Exchange Participants being invited by ET Trade Ltd), if applicable</b></p> <p>Please refer to the Attachment 2 : “<b>OTP-C Test Rundown for New HSN Readiness Test</b>”</p>
9:00a.m. to 11:10a.m.	<p><b>China Stock Connect : CCCG logon test, if applicable</b></p> <p>Only allow to perform logon test, kindly use the assigned Comp ID(s) and password “<b>Ab123456</b>” to perform logon.</p>
10:30a.m. to 12:30p.m.	<p><b>Derivatives Market: HKATS and/or DCASS test(s), if applicable</b> (Logon test from 10:30a.m., Order/Post-trade input test from 11:15a.m.)</p> <p>Please refer to the Attachments 3 and 4 for “<b>HSN Readiness Test for Exchange Participants (HKATS) 21 September 2019</b>” and “<b>HSN Readiness Test on 21 September 2019 Information Package for HKCC / SEOCH Participants</b>” respectively.</p>
9:00a.m. to 11:10a.m.	<p><b>Market Data Systems: OMD-C, OMD-CC and/or IIS test(s), if applicable</b></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>
10:30a.m. to 12:30p.m.	<p><b>Market Data Systems: OMD-D test, if applicable</b></p> <p>Please verify all subscribed OMD multicast groups as well as the retransmission (RTS) unicast connectivity.</p>

Date/Time	Brief Activities
<b>Phase 3: Replace the Secondary HSN network switches</b>	
12:30p.m. to 2:00p.m.	Migration of Secondary HSN by HKEX, no testing activity for HSN subscribers
2:00p.m. to 3:00p.m.	<p><b>HSN subscribers participate in the below tests, if applicable</b></p> <p><b>Cash Market : OTP-C test for production OCG/BSS connecting to HSN and production OCG/NSTD (applicable to Exchange Participants being invited by ET Trade Ltd)</b></p> <p>Please refer to the Attachment 2 : <b>“OTP-C Test Rundown for New HSN Readiness Test”</b></p> <p><b>China Stock Connect : CCCG logon test</b></p> <p>Only allow to perform logon test, kindly use the assigned Comp ID(s) and password <b>“Ab123456”</b> to perform logon.</p> <p><b>Derivatives Market: HKATS and/or DCASS test(s)</b></p> <p>Please refer to the Attachments 3 and 4 for <b>“HSN Readiness Test for Exchange Participants (HKATS) 21 September 2019”</b> and <b>“HSN Readiness Test on 21 September 2019 Information Package for HKCC / SEOCH Participants”</b> respectively.</p> <p><b>Market Data Systems: OMD-C, OMD-CC, OMD-D and/or IIS test(s)</b></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>

After the HSN Readiness Test, HSN will be fallback to the Original HSN network.

3. HSN Fallback Verification (optional) on 22 September 2019

Date/Time	Brief Activities
<b>HSN Fallback Verification (optional)</b>	
9:00a.m. to 11:00a.m.	<p><b>HSN subscribers participate in the below tests, if applicable</b></p> <p><b>Cash Market HSN Fallback Verification Test</b></p> <p><b>China Stock Connect HSN Fallback Verification Test</b></p> <p>Only allow to perform logon test, kindly use the assigned Comp ID(s) and password “<b>Ab123456</b>” to perform logon.</p> <p><b>Derivatives Market HSN Fallback Verification Test</b></p> <p><b>Market Data Systems HSN Fallback Verification Test</b></p> <p>HSN subscribers are encouraged to perform production health check to the respective Cash, Derivatives and Market Data Systems.</p> <p>*Kindly be reminded that during the HSN Fallback Verification Test, there is <b>no HKEX support for Cash Market and China Stock Connect</b>. As such, unlock OCG/CCCG session or check the connectivity status cannot be handled. For those BSS which are not going to participate in the HSN Fallback Verification Test, please ensure that each of these BSS is not connected to the OCG/CCCG session to avoid receiving the testing data.</p>

4. Submit the completed Attachment 5 “**HSN Readiness Test Result Confirmation Form**” by fax or email **at or before 6:00p.m. on 23 September 2019** to HKEX Hosting Service Desk (Fax No.: (852) 2462 0722 Email: [hsservicedesk@hkex.com.hk](mailto:hsservicedesk@hkex.com.hk)).

5. Arrangement of unplanned disruptions

Typhoon and / or Rainstorm Arrangements on 21 and 22 September 2019:

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

Condition	Arrangement
If either of the signals is hoisted or to be in force anytime from 7:00a.m. to 9:00a.m.	HSN Readiness Test / Fallback 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 is hoisted after 9:00a.m.	HSN Readiness Test / Fallback Verification Test will be terminated 15 minutes thereafter.
If Black Rainstorm Warning Signal is issued after 9:00a.m.	HSN Readiness Test / Fallback 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 in their submitted "Participation Form of Readiness Test on 21 September 2019" by email and/or SMS as soon as possible if the HSN Readiness Test / Fallback Verification Test would be cancelled.

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

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

Date (Tentative)	Brief Activities
Saturday, 28 September 2019	HSN Production Cutover Phase 1: replace the HSN firewalls
Saturday, 5 October 2019	HSN Production Cutover Phase 2: replace the Primary HSN network switches  Replace NTP network switches – Batch 1
Saturday, 12 October 2019	HSN Production Cutover Phase 3: replace the Secondary HSN network switches  Replace NTP network switches – Batch 2
Sunday, 13 October 2019 to Friday, 25 October 2019	Stabilisation period

## 7. Important Reminder

- In the period between the completion of HSN Production Cutover Phase 2 and 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.

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 2211 6080 or email [hsservicedesk@hkex.com.hk](mailto: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.*