香港交易及結算所有限公司是香港聯合交易所有限公司、香港期貨交易所有限公司及香港中央結算有限公司之認可控制人
Hong Kong Exchanges and Clearing Limited is the recognised controller of The Stock Exchange of Hong Kong Limited, Hong Kong Futures Exchange Limited and Hong Kong Securities Clearing Company Limited

通告 CIRCULAR

事項
Subject: **Software Upgrade for HKATS**

查詢
Enquiry: **HKATS Hotline   2211 6360**

Reference is made to the circular (ref: DMD/086/12) dated 26 June 2012. Hong Kong Exchanges and Clearing Limited (HKEx) planned to implement a software upgrade for HKATS in Q4 2012. The upgrade will include the introduction of data compression in central gateway, an enhanced CLICK Trade software and the introduction of Dynamic Price Banding mechanism to mitigate risk in input errors.

The implementation of Dynamic Price Banding mechanism will be initially on Mini-Hang Seng Index Futures contracts (spot month and next calendar month contracts only). With this enhanced feature, HKATS will reject all limit buy/sell orders outside the prevailing upper/lower price band. Exchange Participants (EPs) should note that this is an additional control measure to prevent error trade and it is not intended to replace any of the EPs' existing internal controls or preventative arrangements. EPs are fully responsible for maintaining proper operational procedures and internal controls in handling clients' orders and transactions.

CLICK Trade Users

EPs using CLICK Trade are required to install a new CLICK Trade software in their workstations. The new software will be ready for installation by September 2012. Details and procedures of installation will be provided in August 2012.

OAPI Users

EPs using HKATS OAPI programs are required to specify the setting of compression option to be 'OMNIAPI_OPVAL_ANY' (for details, please refer to OMnet Application Programmer's Interface Manual) and recompile their HKATS OAPI programs with a new header file and below supported HKATS OAPI libraries.

Supported HKATS OAPI Libraries
Windows Server 2008, Service Pack 2, x86-64 architecture
Windows Server 2008, Service Pack 2, x86-32 architecture

香 港 交 易 及 結 算 所 有 限 公 司
Hong Kong Exchanges and Clearing Limited

香 港 中 環 港 景 街 一 號 國 際 金 融 中 心 一 期 1 2 樓
12/F, One International Finance Centre, 1 Harbour View Street, Central, Hong Kong

電話 Tel: + 852 2522 1122 傳真 Fax: +852 2295 3106 網址 Website: www.hkex.com.hk 電郵 E-mail: info@hkex.com.hk

| Red Hat Enterprise Linux, version 5.2, x86-64 architecture |
| Red Hat Enterprise Linux, version 5.2, x86-32 architecture |
| SunOS 5.10, SPARC32 architecture |

If there is **no modification** in the HKATS OAPI programs other than setting of compression option and re-compilation by using the supported HKATS OAPI libraries and new header file, submit a duly signed declaration form as set forth in Attachment 1 to HKEx.

If there is **any modification** in the HKATS OAPI programs other than setting of compression option and re-compilation by using the supported HKATS OAPI libraries and new header file, apply for a HKATS OAPI certification test with HKEx by submitting a duly signed application form as set forth in Attachment 2 to HKEx.

All HKATS OAPI programs have to be recompiled and/or certified before **12 October 2012** and ready for market rehearsal with the following procedures:

1. Send an email to ClickSupport@hkex.com.hk and request for the new header file, supported HKATS OAPI libraries and password to unzip the highlighted changes documents on Dynamic Price Banding mechanism through the link: http://www.hkex.com.hk/eng/market/dv_tradinfra/DMTradInfra.htm ;

2. specify the setting of compression option to be 'OMNIAPI_OPVAL_ANY';

3. recompile their HKATS OAPI programs with the supported HKATS OAPI libraries and the new header file;

4. submit the completed declaration form or HKATS OAPI certification test application form; and

5. use the recompiled/certified HKATS OAPI programs to participate in the system upgrade market rehearsal in Q4 2012.

Briefing Sessions and Market Rehearsal

To allow EPs to better understand and prepare for the software upgrade of HKATS and market rehearsal, a series of briefing sessions will be held in September 2012. Details of the briefing sessions and market rehearsal will be announced in August 2012.

Sanly Ho
Vice President
Derivatives Market Department
Trading 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.

Re-compilation of HKATS OAPI Libraries and Header File Declaration Form

To: Hong Kong Futures Exchange Limited / The Stock Exchange of Hong Kong Limited
(Email: ClickSupport@hkex.com.hk)   Fax No: 2509 0724 / 2877 0017)

From: _____ [Name of Exchange Participant]

        _____ [Name of Software Vendor]

We hereby declare that the following HKATS OAPI program has been upgraded by specifying the setting of compression option to be 'OMNIAPI_OPVAL_ANY' and using the supported HKATS OAPI library and the new header file without any other modification in the program and we have tested the program and no abnormality was found. Details of the HKATS OAPI program are as follows:

Name of HKATS OAPI Program: _____

Version Number: _____

Platform of OAPI Library:

☐ Windows Server 2008 (32-bit)   ☐ Red Hat Enterprise Linux 5.2 (32-bit)   ☐ SunOS 5.10

☐ Windows Server 2008 (64-bit)   ☐ Red Hat Enterprise Linux 5.2 (64-bit)

(Please tick "✓" in the appropriate box)

We undertake and agree that any further updated, enhanced or modified version of such HKATS OAPI program shall obtain prior approval from the Exchange and conduct any test required by the Exchange from time to time.

Exchange Participant: Software Vendor:

(s.v.)

_____   _____
Authorized Signature(s) and Company Chop   Authorized Signature(s) and Company Chop

_____   _____
Name of Signatory and Position   Name of Signatory and Position

_____   _____
Contact Person   Contact Person

_____   _____
Contact Number   Contact Number

_____   _____
Date   Date

THE STOCK EXCHANGE OF HONG KONG LTD /
HONG KONG FUTURES EXCHANGE LTD
(A wholly owned subsidiary of Hong Kong Exchanges and Clearing Ltd)

DERIVATIVES MARKET

6/F Two Exchange Square	Hotline : 2211 6360
8 Connaught Place	Fax : 2509 0724 / 2877 0017
Central, Hong Kong	

REQUEST FOR OAPI CERTIFICATION TEST

Particulars of Exchange Participant

Mnemonic / Firm ID	Participant Name

Contact Person

Name	Tel	Fax
Position	E-mail	Mobile

Reason for OAPI Certification

Please tick in the box:

New OAPI application	[ ]
Re-certification of OAPI program	[ ]
Reasons for re-certification:	

Details

Name of OAPI Program	
Version	
Developer	

Date of Certification $^{Note\ 1}$	Time

Fee

$2,000 per test regardless of the test results

_____   _____

Authorized Signature   Date
with company chop

_____

Name of Signatory

Note 1:   Request should be made at least ten business days before the test.