

**MCX Stock Exchange Limited  
Currency Derivatives Segment  
Market Operations - Trading Department**

**Circular No.: MCX-SX/TRD/952/2013**

**January 17, 2013**

**Mock Trading for THRU on Saturday, January 19, 2013**

In terms of provisions of the Rules, Bye-Laws and Regulations of the Exchange, members of the Exchange are notified as under:

As a part of our constant efforts to provide value added services to the Members, the Exchange is in the process of implementing "Trading Hub and RoUter Application" (THRU). THRU system consists of a software component running on recommended hardware platform hosted at Member's end which allows access and connectivity to the Exchange Trading Systems.

THRU is being introduced as a middleware to ensure better performance and effective utilization of Member's dedicated network connectivity. THRU will relay user requests and responses to and from the Exchange trading system. THRU will control number of connections to Trading System and effectively manage the bandwidth and number of messages per second as approved by the Exchange.

Trader Work Station (TWS), Member Admin Terminal (MAT) and CTCL software will connect to THRU application hosted at Member's end, which in turn will communicate with the Exchange Trading System to facilitate trading.

THRU facility is available for the following front end applications:

- MCX-SX TWS 11.5.X
- MCX-SX Member Admin 11.5.X
- CTCL software as per MCX-SX - Open Interface Specification for Non-FIX Gateway v11.13

Members are advised to follow steps mentioned in THRU User Manual V.1.0 (available on path provided in Annexure – 1) for installation and configuration of THRU application. The pre-requisites (hardware and software) are also mentioned in THRU User Manual V.1.0.

Members are required to communicate THRU machine IP address to the Exchange on [customerservice@mcx-sx.com](mailto:customerservice@mcx-sx.com) along with User IDs / MAT IDs details connecting through particular THRU machine. Mail subject should be "MOCK-THRU Connection detail"

**MCX Stock Exchange Limited  
Currency Derivatives Segment  
Market Operations - Trading Department**

The details to be provided in following format latest by 04.00 pm – Friday January 18, 2013

Sr. #	Member ID	THRU Machine IP Address ( as provided in Exchange Network Interface in THRU configuration)	User IDs / MAT IDs connecting through particular THRU machine (in Single line comma separated)
1			
2			

Members using CTCL facility are requested to actively participate in the mock trading session using CTCL software as per API version 11.13 (non- FIX).

Members using CTCL software are requested to arrange for updating their software as per API version 11.13 (non- FIX). Members may contact their respective vendors for the same.

Members connecting using FIX API shall continue to connect using their CTCL software as per FIX API version 11.24 for this mock session.

Mock Trading is scheduled on Saturday, January 19, 2013 to test facility as mentioned above. Members who do not participate in the mock trading may face difficulty in trading when the new software is implemented.

**Schedule for Mock Trading Session:**

Particulars	Timings
Log-in time	10:00 am onwards
Mock trading timing	10:30 am – 12.30 pm
Trade modification end time	12:45 pm
Give-up approval end time	12:45 pm

**Live Re-login Activity**

Particulars	Timings
Live Re-login start time	1:30 pm
Live Re-login close time	2:00 pm

Members may note that the trades resulting from such mock trading will not attract any margin obligation, pay-in and pay-out and do not create any rights and liability on members.



**MCX Stock Exchange Limited  
Currency Derivatives Segment  
Market Operations - Trading Department**

Members using CTCL facility are requested to actively participate in the mock trading session using CTCL software.

The procedure for downloading the files for participating in mock trading is specified in Annexure 1 and write up on the functionalities is given in Annexure 2.

The outcome of the Mock Trading Sessions shall be intimated to members through a message broadcast during re-login time as per the above schedule.

Members are requested to take note of the same.

For any clarifications, contact Customer Service on 022-67319010/66494030 or send email at [customerservice@mcx-sx.com](mailto:customerservice@mcx-sx.com)

For and on behalf of  
**MCX Stock Exchange Limited**

**Ayanansu Panda  
Asst. Vice President**

**MCX Stock Exchange Limited  
Currency Derivatives Segment  
Market Operations - Trading Department**

**Annexure 1**

**Steps for downloading files for participating in Mock Trading**

- Download THRU, TWS, Member Admin and VC++ Redistributable 2008 files, THRU User Manual V.1.0 kept in the **Common/Setup/MockSetup11.5.1/** folder in the SFTP (Extranet) Server using address <https://192.168.13.94> for downloading through VSAT/Lease Line and <https://sftp.mcx-sx.com> for downloading through Internet to the members system. Files can be downloaded any time through Internet or can be downloaded through VSAT / Leased Line from **Friday, January 18, 2013** after trading hours.
- **Install VC++Redistributable 2008 on the system.**
- **For installing and configuring THRU, refer to THRU User Manual 1.0**
- Double click **MCX-SXTWCLIENT11.msi**. It will install MCX-SX TWS TEST for mock Version **11.5.x.x**
- Double click **MCX-SXMEMADMIN11.msi**. It will install MCX-SX Member Administrator TEST for mock Version **11.5.x.x**
- Following steps are to be followed by Members who have installed THRU and connecting using THRU application.

**a. For VSAT mode of connectivity**

After installation start TWS / MAT and follow below mentioned steps:

- Go to Tools→ System configuration
- Select Mode of Connectivity as **“THRU”**.
- Select Market Data Updates as **“Normal”**.
- Enter THRU machine IP address in **“Host IP Address”** under Interactive settings.  
THRU machine IP address is same as entered in THRU configuration – **“Client Network Interface”**
- Click on Modify.
- System will set the configuration as entered / selected and TWS / MAT will be closed.
- Start TWS / MAT and login to the mock environment of MCX-SX.

**b. For Leased Line mode of connectivity**

After installation start TWS / MAT and follow below mentioned steps:

- Go to Tools→ System configuration
- Select Mode of Connectivity as **“THRU”**.

**MCX Stock Exchange Limited  
Currency Derivatives Segment  
Market Operations - Trading Department**

- Select Market Data Updates as “High”.
- Enter THRU machine IP address in “Host IP Address” under Interactive settings.  
THRU machine IP address is same as entered in THRU configuration – “Client Network Interface”
- Click on Modify.
- System will set the configuration as entered / selected and TWS / MAT will be closed.
- Start TWS / MAT and login to the mock environment of MCX-SX.

**c. Internet users:**

Internet users are not required to connect using THRU. However Members may participate in mock trading using following steps.

- Double click **MCX-SXTWSCLIENT11.msi**. It will install MCX-SX TWS TEST for mock Version **11.5.x.x**

**For Internet mode of connectivity**

After installation start TWS and follow below mentioned steps:

- Go to Tools → System configuration
- Select Mode of Connectivity as “**Internet**”
- After selection click on Modify
- System will set the configuration as selected and TWS will be closed.
- Start TWS and login to the mock environment of MCX-SX.

## **THRU Installation Guide**

### **1 THRU INSTALLATION**

#### **1.1 PRE-REQUISITES –RECOMMENDED HARDWARE AND SOFTWARE**

It is required to install each THRU instance on dedicated machine.

<b>THRU Hardware-Software Requirements</b>	
CPU	Quad Core 3.0 GHz or Higher
RAM	4 GB RAM or Higher
HDD	100 GB or Higher
Network	1 Gigabit dual-port Ethernet or higher
OS	Windows 2008 Standard/Enterprise Edition, SP2 or higher, 64 bit / 32 bit
Other Requirements	Microsoft VC 2008 Redistributable SP1 64 bit / 32 bit as per requirements

#### **1.2 INSTALL THRU**

- 1.2.1 Click on THRU Install Setup. It will open THRU setup wizard.
- 1.2.2 A welcome screen will appear, guiding you through installation process.  
Click on “Next” Button.
- 1.2.3 Read the license agreement carefully. Select the “I Agree” checkbox & click on “Next” button, if you are fine with agreement.
- 1.2.4 Click on “Next” button.
- 1.2.5 Click on “Close” button to complete installation process.

#### **1.3 LAUNCHING THRU**

- 1.3.1 THRU can be launched / started from start menu shortcut  
OR  
From shortcut of THRU created on desktop during the installation process.

**MCX Stock Exchange Limited  
Currency Derivatives Segment  
Market Operations - Trading Department**

Note –

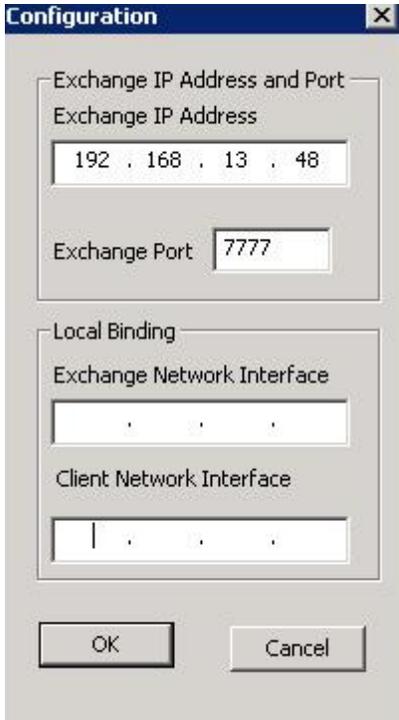
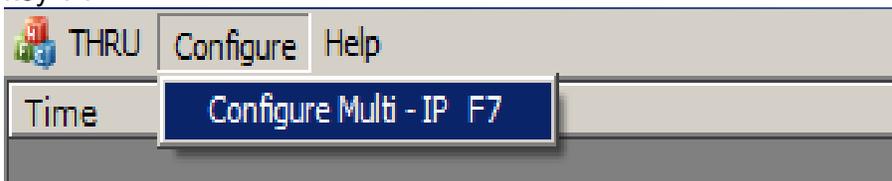
The user logged in system and launching THRU application should have administrator privileges.

OR

Launch THRU application using run as administrator option.

#### 1.4 CONFIGURATION OF THRU

The user needs to configure THRU using Menu 'Configure=>Configure Multi-IP' or shortcut key 'F7'



There are two sections in the configuration dialog

**MCX Stock Exchange Limited  
Currency Derivatives Segment  
Market Operations - Trading Department**

**1.4.1 Exchange IP Address and Port**

THRU needs Exchange IP Address and port information to connect to Exchange.

- **Exchange IP Address:**  
Default value is set in setup provided. Default IP address should not be changed unless specifically asked by Exchange.
- **Exchange Port:**  
Default value is set in setup provided. Default Port should not be changed unless specifically asked by Exchange.

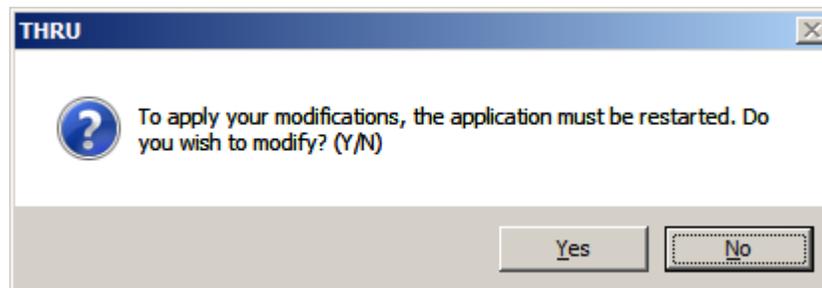
**1.4.2 Local Binding:**

- **Exchange Network Interface:**  
Specify local machine IP address which will be used to connect exchange components.
- **Client Network Interface:**  
Specify local machine IP address which will be used to accept the connection.

In case, client is having single LAN card or Multi LAN card but wants to use single IP address, client can specify same IP address in Exchange Network Interface and Client Network Interface.

Using different IP address in Exchange and Client network interface can arise only if network policies are strict and firewalls are implemented at client side to prevent the network being exposed.

Once the user have configured THRU and pressed OK, user will be prompted with the following dialog



In order to apply changes the User should press YES and re-start the application.

**MCX Stock Exchange Limited  
Currency Derivatives Segment  
Market Operations - Trading Department**

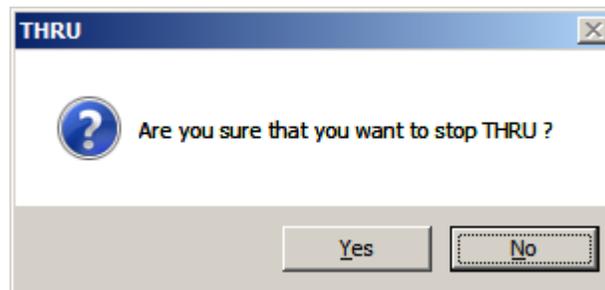
**1.5 START & STOP ACTIVITY OF THRU**

Start THRU Application

1.5.1 Click on THRU =>Start or press F4 Key. It will display message with “THRU Started” after successful initialization of THRU.

Stop THRU Application

1.5.2 Click on THRU =>Stop or press F5 Key for stop THRU. It will prompt window for confirmation with Message “Are you sure that you want to stop THRU?”



- Click on “Yes” button for stop THRU.
- Click on “No” button for return to main THRU window.

**1.6 UNINSTALL THRU.**

Steps to uninstall THRU.

1.6.1 GO Start=>All Programs=> THRU & Click on Uninstall THRU-Live/Test-x64.

1.6.2 **Click on “Yes” button to finish uninstallation process.**

