

PSX/N-1106

November 08, 2022

FOR ALL TRE CERTIFICATE HOLDERS

COMPLIANCE WITH THE SYSTEM SPECIFICATIONS AND PARTICIPATION IN TRAINING, TESTING AND MOCK SESSIONS FOR THE LAUNCH OF NEW TRADING SYSTEM

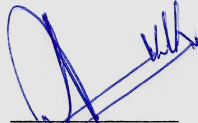
Pakistan Stock Exchange Limited [PSX] as a front-line regulator has been mandated under the law to provide an efficient trading system having features at par with international standards. The deployment of New Trading System [NTS] is aimed to enhance the overall user experience and move towards modern technologies.

PSX has been working in close coordination with all the key stakeholders under the guidance of Securities and Exchange Commission of Pakistan [SECP] to ensure the smooth deployment of NTS in an effective and timely manner. The SECP in its Directive dated October 28, 2022 (copy attached herewith as **Annexure A**) issued u/s 12 of the Securities Act, 2015 has emphasized that the securities brokers must comply with the system specifications prescribed by PSX and ensure active participation in the upcoming testing and mock sessions.

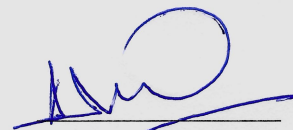
PSX has prescribed minimum system requirements for all TRE Certificate Holders vide Notice No. PSX/N-895 dated September 13, 2022 to ensure their readiness for smooth transition from existing trading system to NTS. Moreover, PSX had organized various awareness and training sessions which were notified vide Notice No. PSX/N-970 dated October 03, 2022, PSX/N-1019 dated October 17, 2022 and PSX/N-1049 dated October 21, 2022. These notices are attached herewith as **Annexure BI** to **BIV** respectively, for ready reference.

In view thereof, PSX hereby requires all TRE Certificate Holders to strictly comply with the system requirements prescribed by PSX on or before November 11, 2022, which may be extended up to November 18, 2022. Moreover, the TRE Certificate Holders shall submit an undertaking duly signed by CEO/Authorized Personnel.

It must be noted that any TRE Certificate Holder which does not comply with the system specifications, engage in OMS and Back Office readiness, training, testing & mock sessions and/or comply with any additional terms and conditions as specified by the PSX in connection with the NTS shall be deprived of its right to access the NTS from the date of go-live.



Ajeet Kumar
Chief Regulatory Officer



Syed Adeel Javaid
Chief Information Officer

Cc:

1. The Director/HoD, PRDD, (SMD), SECP
2. The Chief Executive Officer, PSX
3. The Chief Executive Officer, CDC
4. The Chief Executive Officer, NCCPL
5. The Chief Executive Officer, PMEX
6. The Chief Executive Officer, IFMP
7. The Chief Executive Officer, E-Clear
8. All Heads of Departments, PSX
9. PSX Website



Securities and Exchange Commission of Pakistan
Securities Market Division

No. SMD/SE/2(230)/2012

October 28, 2022

Mr. Farrukh H. Khan
Chief Executive Officer
Pakistan Stock Exchange Limited
Karachi.

Subject: Directive under Section 12 of the Securities Act, 2015

WHEREAS, the Securities and Exchange Commission of Pakistan (the Commission) considers it an utmost priority to ensure that the New Trading System (NTS) of Pakistan Stock Exchange (PSX) is implemented in an effective and timely manner and that the issues encountered during the prior launch are not repeated.

AND WHEREAS, it is deemed vital that all stakeholders collaborate and play their respective roles to ensure a smooth transition to NTS.

AND WHEREAS, failure of securities brokers to adhere to the system specifications prescribed by PSX in connection with NTS and any lack of participation from securities brokers in the testing activities can cause significant problems at the time of go-live and potentially cause further delays in the implementation of NTS.

NOW THEREFORE, the Commission, in the interest of the capital market and in exercise of its powers under Section 12 of the Securities Act, 2015, hereby directs Pakistan Stock Exchange Limited to obtain sign-offs from sub-committees of the Representative Committee of PSBA in a timely manner; to communicate to the securities brokers to comply with the system specifications prescribed by PSX by the deadline specified by PSX as per the project timelines, and ensure active broker participation in the upcoming mock sessions, and further intimate to the securities brokers that the brokers which do not comply with the system specifications or do not engage in prior testing of NTS shall not be provided access to the same post go-live.


Aamir Khan
Commissioner (SM)

"ANNEXURE B I"

PSX/ N-895

13 Sep, 2022

NOTICE FOR ALL TREC HOLDERS/BROKERS OF PSX **System Requirements for Trading Services (NTS)**

With the reference to our earlier notices respectively dated March 11, 2021, & Oct 27, 2021, in order to ensure smooth operations of PSX trading services and accordance with the upcoming requirements for **NTS** (New Trading System), PSX ITD highly recommends and encourages you to adopt following guidelines at your earliest.

All trading terminals and branches infrastructure where these are installed should be equipped with following minimum requirements that recommended by PSX for smooth transition from existing to New Trading System.

Minimum requirement for JTT (NTS):

Processor	Intel Core i5 (6 th Generation) or above
RAM	8 GB or above
Hard Disk	120 GB or above
UPS	30 Minutes backup
LAN Card	1 Gbps (recommended) Manageable NIC with provision to set Receive & Transmit buffers to 2048. Provision of setting jumbo packets to Yes
Operating System	Windows 10 (Build 19044 or higher)

Minimum requirement for OMS Gateway Machine (TGW / MDGW): (NTS)

Processor	Intel Core i5 (6 th Generation) or above
RAM	16 GB or above
Hard Disk	120 GB
UPS	30 Minutes backup
LAN Card x 2 <i>1 for PSX</i> <i>1 for OMS</i>	1 Gbps (recommended) Manageable NIC with provision to set Receive & Transmit buffers to 2048. Provision of setting jumbo packets set to Yes
Operating System	Windows 10 (Build 19044 or higher) or Red Hat Enterprise Linux 7 or CentOS 7, 64-bit operating system.

Minimum Network Requirements

Switch	Manageable, L3, IGMPv3 enabled
Router (for OMS)	IGMPv3, PIM SSM enabled, Static and OSPF routing supported
Redundant Links (for REMOTE Terminals)	2 Redundant Links from 02 ISPs, with the auto-failover capability
I/O (for LAN Terminals)	I/O points must be enabled.

*Windows XP, Windows 7, Windows Server 2003 and 2008 are discontinued from Microsoft; hence it will not be supported.

*Backup gateway machine, switch and router also highly recommended..

Moreover, all installed software on trading terminals should be genuine and of latest versions. Installation of pirated and irrelevant software / tools on trading terminals are strictly prohibited.

In case of any query or information please feel free to contact ITSS via email on itss@psx.com.pk or helpline numbers at your respective locations, mentioned below.

Location

Karachi

Lahore

Islamabad

Contact Details

021-35274401-10

042-36316921 ext. 5057/5019

051-2894849

ITSS**ITD- Pakistan Stock Exchange**

FOR ALL TRE CERTIFICATE HOLDERS / SECURITIES BROKERS Implementation of New Trading System (NTS)

All TRE Certificate Holders / Securities Brokers are hereby informed that a session has been scheduled by PSX to share the status, updates and plan for the implementation of the New Trading System.

Detail of the session as follows:

Day & Date: Thursday, October 6, 2022

Time: 04:30 p.m.

Venue: PSX Auditorium, 3rd Floor, PSX Administration Block, Karachi

All TRE Certificate Holders are encouraged to please attend the session **in person**. Further, the TRE Certificate Holders from remote locations can join the session through the zoom link below:

<https://us02web.zoom.us/j/83353726539?pwd=anBMY2NKeEdudVI3UjFPTnYwNWxUQT09>

Meeting ID: 833 5372 6539

Passcode: 115169

All concerned are requested to note the above.

_____Sd_____

Jawad H. Hashmi

General Manager - Trading & TREC Affairs

_____Sd_____

Syed Adeel Javaid

Chief Information Officer

Cc:

1. PSX Website
2. The Director (PRDD), SECP, email: smd.notices@secp.gov.pk
3. The Chief Executive Officer, PSX
4. The Chief Executive Officer, CDCPL
5. The Chief Executive Officer, NCCPL
6. Pakistan Stock Brokers Association

PSX/N-1019

"ANNEXURE B III"

Dated: October 17, 2022

FOR ALL TRE CERTIFICATE HOLDERS / SECURITIES BROKERS **Update on the Implementation of New Trading System (NTS)**

This is in continuation to PSX notice PSX/N-970 dated October 03, 2022, all TRE Certificate Holders / Securities Brokers are hereby informed that PSX has scheduled another session to share the status and updates w.r.t the implementation of New Trading System.

All TRE Certificate Holders are encouraged to please attend the session through **Zoom using the following credentials:**

Topic: **All Brokers' NTS Meeting # 2**

Time: **Oct 20, 2022 16:30 Karachi**

<https://us02web.zoom.us/j/88389012777?pwd=bnM5MktnMTZJbGFQSitqdKpXdUJkZz09>

Meeting Id: 883 8901 2777

Passcode: 10759

It is strongly recommended that all attendees to please mention their name and the name of their brokerage house in zoom while joining through the above-mentioned link.

All concerned are requested to note the above.

_____Sd_____
Jawad H. Hashmi
General Manager - Trading & TREC Affairs

_____Sd_____
Syed Adeel Javaid
Chief Information Officer

- Cc:
1. PSX Website
 2. The Director (PRDD), SECP, email: smd.notices@secp.gov.pk
 3. The Chief Executive Officer, PSX
 4. The Chief Executive Officer, CDCPL
 5. The Chief Executive Officer, NCCPL
 6. Pakistan Stock Brokers Association

FOR ALL TRE CERTIFICATE HOLDERS New Trading Terminal (NTT) Training

This is to inform all TRE Certificate Holders that PSX is organizing users' training sessions for the New Trading Terminal (NTT). NTT is a front end trading terminal and shall be provided to all TREC Holders along with the New Trading System (NTS).

NTT shall serve as an alternative / backup for OMS/JTT/KITS, it is therefore important that all Traders/ TWS Operators must attend their respective training session.

In order to have a focused participation, there are **8 sessions** arranged for 25 TREC Holders each, as follows:

Sr. #	Date	1 st Session Timing	2 nd Session Timing
1	24-Oct-2022	3:45 PM – 4:30 PM	4:45 PM – 5:30 PM
2	25-Oct-2022		
3	26-Oct-2022		
4	27-Oct-2022		

All TREC Holders are encouraged to please attend their respective session via Zoom, the details of which shall be shared over registered email addresses (maintained in THIMS).

____ Sd- _____

Syed Adeel Javaid

Chief Information Officer/ GM - IT Division

____ Sd- _____

Jawad H. Hashmi

General Manager, Trading & TREC Affairs

Cc:

1. The Commissioner SMD, SECP (smd.notices@secp.gov.pk)
2. The Chief Executive Officer, PSX
3. The Chief Operating Officer, PSX
4. The Chief Executive Officer, CDC
5. The Chief Executive Officer, NCCPL
6. PSX Website
7. Pakistan Stock Brokers Association (secretariat@psba.pk)