



ISO 27001 Certified

National Clearing Company of Pakistan Limited

8th Floor, Karachi Stock Exchange Building, Stock Exchange Road, Karachi

NCCPL/CM/OCT-16/01
October 05, 2016

Hardware and Software Specifications Requirement for NCCPL Terminal Users

Dear Clearing Members,

National Clearing Company of Pakistan Limited (NCCPL) has always strived to improve its services from time-to-time by following latest trends, especially in the field of technology.

Moving forward in this direction, we announce the revision of Hardware and Software specifications for the NCC Terminals clients. Clients are therefore, requested to ensure compliance with revise specification of hardware and software till 15th November, 2016.

| <u>Desktop Specifications For NCCPL Applications</u> | |
|---|---|
| Overview | For enhanced performance and efficiency of NCCPL business applications, a dedicated PC complying below listed hardware/software configuration is mandatory. |
| Hardware Requirements | |
| Processor | Intel Core i3 series or above |
| RAM | 4 GB min |
| Hard Disk | 40 GB min |
| Peripheral Devices | Keyboard, Mouse, LCD, LAN card & UPS (30 min) |
| Software Requirements | |
| Operating System | Licensed Windows 7 Professional (64 bit or 32 bit) with latest service pack |
| Acrobat Reader | 8.0 or above |
| Security Software | Licensed version of well-known Antivirus / Antimalware and Host Intrusion Prevention System (HIPS). |
| Web browser | Internet Explorer 8.0 |
| Modes of connectivity | a) LAN (only for Stock Exchange building) b) Multinet fiber c) Internet DSL (through fix public IP) d) Dialup (to be phased-out shortly) |
| PC dedicated only for NCCPL Applications | In order to obtain maximum security / performance, please ensure that the PC with the recommended configuration must be used only for NCCPL applications. Unnecessary software should not be installed on these systems. Internet browsing on the same PC is strongly discouraged (other than purposes of connecting through Internet DSL). |
| Disclaimer | To get the maximum performance from the systems provided by NCCPL, we strongly recommend adhering to its recommendations. NCCPL may not be able to fully support reported issues in case of any non-compliance in this regards. |



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For any further queries or concerns, please feel free to contact the Customer Support Department of your respective locations:

| City | Telephone Number | UAN Number | Fax Number |
|-----------|--|-----------------|--------------|
| Karachi | 021-32460811-19 Ext. 214, 217 & 218 Dir. 021-32438531-32-33 | 021-111-111-622 | 021-32462825 |
| Lahore | 042-36280815-7 | | 042-36280818 |
| Islamabad | 051-2895460-62 | | 051-2895463 |

Regards,

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Rehan Saif
Head of PD & CSS

1. Executive Director - Policy, Regulation and Development Department - SMD
Securities & Exchange Commission of Pakistan - Islamabad
2. Managing Director - Pakistan Stock Exchange Limited
3. Chief Executive Officer - Central Depository Company of Pakistan Limited
4. Chief Executive Officer - Mutual Fund Association of Pakistan
5. Chairman - Pakistan Banking Association