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NEC Launches Next Generation Thin Client System in Indonesia

JAKARTA, 27 June, 2007 - NEC PT Indonesia, a wholly owned subsidiary of NEC Corp, is launching the new NEC Virtual PC Type thin client system¹ solution called the Virtual PC Center (VPCC), at the Grand Hyatt Hotel, Jakarta, today.

NEC's VPCC Thin Client system includes a next generation thin client computing device - the US100, which provides a high level of IP telephony and video processing quality in the smallest thin client footprint. The US100 is designed to achieve impressive multimedia performance through employment of NetClient™, an advanced system-on-a-chip solution that incorporates leading-edge technologies from NEC and ServerEngines™ LLC. The new system also features VMware Virtual Desktop Infrastructure (VDI) pre-installed and pre-integrated into NEC systems through collaboration established under the VMware VDI Alliance program.

NEC VPCC Thin Client system improves client environments by sharing PC operating systems and applications that are used by multiple end-users on consolidated servers in a virtualized environment. From a localized thin client terminal device, end-users can access their data on a secure data center server through a virtualized PC with a display, keyboard and mouse.

Using NEC's VPCC Thin Client System, enterprises large and small can realize substantial reductions in installation costs, as well as enhanced functionality not previously available in the market².

The breakthrough enhancements of the US100 include high audio and voice quality VoIP function, high video processing performance, and a significant reduction in initial installation costs. In addition to the robust security and mobility of Thin Client systems, the new offerings are able to deliver a business environment that utilizes IP telephony and video that is comparable to that of an environment known to standard business PCs or rich clients but at a lower cost. The NEC US100 helps to reduce power consumption by more than 60%³, as compared to conventional systems that employ business PCs.

"Today, the introduction of the virtual PC Thin Client System is a result of NEC's vision to create integrated technologies for next generation networks (NGNs). As more and more companies are expanding their businesses regionally and globally, and are adopting network-centric computing models that provide greater mobility and more security, NEC expects worldwide sales of US\$1.25b over the next three years for the total client integrated solution of various types of Thin Client systems, with particular focus on the next generation Virtual PC-Class Thin Client systems," says Mr. Hiroshi Sato, President Director of PT NEC Indonesia.

Through enhancement of its Thin Client business, NEC strives to improve enterprise security, reduce Total Cost of Ownership (TCO), and deliver a highly mobile work-style in the Next Generation Network (NGN) era.

OVERVIEW OF PRODUCTS

1. Advanced Thin Client Device

The US100 is the first thin client device to provide rich PC-quality high-speed video and audio processing, delivering the next generation in thin client technology:

- With improved space efficiency, the palm-sized (15.5 cm (W) x 10.4 cm (D) x 3.4 cm (H)) device can be placed on the desktop or mounted behind the LCD screen.

- Employing ServerEngines' NetClient™ LSI chip, which was co-developed with NEC, US100 delivers high multimedia performance and is the first device to introduce new functionality to the thin client market such as smooth video processing⁴ of a business PC and VoIP system standard.

- Supporting industry standard protocols, the US100 provides enhanced levels of intelligent functionality which off-loads server processing and allows the device to work separately from softphone applications. Voice and video can be transmitted directly between US100 devices, eliminating server impact and ensuring a high quality of voice, regardless of server processing conditions.

The US100 was created through a collaborative effort between NEC Corporation, NEC Electronics, ServerEngines and Wyse Technology, a leading vendor in the thin client terminal market.

2. Advanced All-In-One NEC Express5800/Virtual PC Center (VPCC) Models Realize Low-Cost, Next Generation Virtual PC Thin Client System

(1) NEC Express5800/VPCC Virtual PC Server with pre-installed server function:
The server is powered by VMware VDI that is loaded with middleware and a client operating system, which operates up to 20 units of virtual PC thin client terminals. As a result, the system can be installed and fully operational in a shorter time and at a lower cost than traditional thin client architecture.

(2) NEC Express5800/VPCC Management Server:
The NEC Express5800/VPCC Management Server provides centralized management of the entire VPCC system in an integrated fashion. The VPCC Management Server is loaded with middleware, which significantly simplifies PC administrative tasks as compared with traditional desktop system management and traditional thin client management functions. Tasks such as reallocation of VPCC resources, addition of application software, bulk application of security patches, and provision of advanced security provide system administrators with enhanced efficiency and flexibility.

With its detailed features for managing clients, this server achieves a significant reduction in operation and management costs after installation as compared with traditional business PC environments. The NEC Express5800/VPCC Management Server is realized through the integration of VMware VDI and platform management software that is integrated by NEC.

For more information, please log onto this website: <http://www.nec.com/vpcc/>.

¹ Achieves an efficient work environment and a further reduction in TCO by virtually creating a PC environment on a server and flexibly allocating server resources such as a CPU to users.

² Ability to provide full motion video and audio through a virtualized thin client environment.

³ Comparison with the entire client server system using 20 units of business PCs or rich clients.

⁴ Codec at the time of shipment will be MPEG-1/MPEG-2

NB: The names of the companies, products and brand names appearing in this release are either trademarks or registered trademarks of their respective companies.

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About NEC Corporation

NEC Corporation (NASDAQ: NIPNY), headquartered in Tokyo, Japan, is one of the world's

leading providers of Internet, broadband network and enterprise business solutions dedicated to meeting the specialized needs of its diverse and global base of customers. NEC delivers tailored solutions in the key fields of computer, networking and electron devices, by integrating its technical strengths in IT and Networks, and by providing advanced semiconductor solutions through NEC Electronics Corporation. The NEC Group employs more than 150,000 people worldwide.

For additional information, please visit the NEC home page at: <http://www.nec.com>

* Newsroom: <http://www.nec.co.jp/press/en/>

About NEC PT Indonesia

Established in April 2003 following the integration of the former PT NEC Nusantara Communications and NEC Liaison Office, PT. NEC Indonesia provides total telecommunication and IT business solutions for its customers in the carrier, service provider and enterprise businesses. PT. NEC Indonesia employs over 140 personnel with 75% of the staff strength comprising professionals specialising in project management, business consultation, engineering, and implementation. Today, PT. NEC Indonesia has grown to become an established Solution Provider offering suite of Total Integrated Solutions to the Indonesian market. For more information, please visit <http://www.nec.co.id>

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