



## China Securities Depository and Clearing Corporation Expands Teradata Data Warehouse System

October 25, 2005 at 11:01 AM EDT

BEIJING--(BUSINESS WIRE)--Oct. 25, 2005--Teradata, a division of NCR Corporation (NYSE:NCR), announced today that China Securities Depository and Clearing Corporation (CSDCC) has successfully completed the second phase of its Teradata data warehouse system, integrating data from both the Shanghai and Shenzhen stock markets. In addition, new applications, including an online voting system, have been implemented. Teradata and CSDCC are now working on a project that will expand the data warehouse capacity to eight terabytes.

CSDCC's data warehouse is the most comprehensive enterprise data warehouse deployed within the Chinese securities industry. It gives the corporation a single view of all pertinent data on the China securities market, enabling it to monitor transactions more effectively, ensure regulatory compliance and maintain tight data security. The first phase of the project was completed in 2004 with the successful establishment of a data statistics platform. The second phase, now completed, integrated all data from both the Shanghai and Shenzhen stock markets, and has resulted in improved data quality and shortened query times. It also helps to further develop analytical applications and provide value-added service.

One of the biggest successes of the second phase is the online voting system that has been available since the end of 2004. Online voting makes it possible for investors to vote directly for any proposal discussed at shareholder meetings. The system also supports online browsing of the meeting agenda, meeting registration, vote printing, calculation and queries. It eliminates the need for shareholders to be physically present at the shareholders' meetings, enabling them to participate at minimal cost.

With the successful completion of the second phase of the project and today's ever-increasing data volume, the cooperation between CSDCC and Teradata has moved straight on to the next stage. In the new expanded project, four nodes will be added to the data warehouse server to enable data to be loaded on a daily basis, to store more data and to distribute all required data to the public via CSDCC's Web site.

"China's stock market has been developing fast in recent years. What we need is a data warehouse system that is able to analyze mass trading data while offering exchanges faster, more convenient and more personalized services, as well as providing China Securities Regulatory Committee with accurate, up-to-date market and risk management information," according to a project member of CSDCC. "As the national securities depository and clearing data processing center, CSDCC met the challenge via deploying a Teradata data warehouse."

"With the second phase of the project completed, our business departments can easily access relevant information. The applications deployed are well received from the market, and we are able to conduct all kinds of market research. We are convinced that the Teradata data warehouse will bring more valuable services to China's securities industry in the future," the project member added.

According to Randy Wang, general manager of Teradata in China, "Over the past two years, there has been a rapid increase in the volume of CSDCC's data and, as a result, the CSDCC decided to expand the data warehouse system for a higher capacity and higher processing speed. In order to balance CSDCC's immediate need with its long-term growth, we helped CSDCC to define objectives and deploy the warehouse phase by phase. The success of the CSDCC will play a significant role in increasing the use of technology to improve operations in China's securities industry."

In the next phase, CSDCC will deploy a data-mining capability to offer value-added services and to further improve risk management.

### China Securities Depository and Clearing Corporation

China Securities Depository and Clearing Corporation (CSDCC) is the only securities depository and clearing corporation registered with the State Administration of Industry and Commerce in compliance with the Securities Law of the People's Republic of China and the Company Law of the People's Republic of China. It is based in Beijing with subsidiaries in Shanghai and Shenzhen. It operates under the supervision of the China Securities Regulatory Committee (CSRC).

CSDCC was founded on March 20, 2001, with the approval of the State Council and CSRC. Since Oct. 1, 2001, CSDCC has been responsible for all securities depository and clearing processes in the China securities market. CSDCC aims to establish a securities depository and clearing system that reflects the best international practices to enhance the development of the Chinese securities market. For more information, please visit [www.chinaclear.com.cn](http://www.chinaclear.com.cn).

### About Teradata Division

Teradata ([www.teradata.com](http://www.teradata.com)), a division of NCR Corporation (NYSE:NCR), is the global technology leader in enterprise data warehousing, analytic applications and data warehousing services. Organizations around the world rely on the power of Teradata's award-winning solutions to get a single, integrated view of their business to enhance decision-making, customer relationships and profitability.

### About NCR Corporation

NCR Corporation (NYSE:NCR) is a leading global technology company helping businesses build stronger relationships with their customers. NCR's ATMs, retail systems, Teradata(R) data warehouses and IT services provide Relationship Technology(TM) solutions that maximize the value of customer interactions and help organizations create a stronger competitive position. NCR ([www.ncr.com](http://www.ncr.com)) is based in Dayton, Ohio.

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SOURCE: NCR Corporation