

# SAND Searchable Archive Powers Efficient E-banking Log Management System for South Korea's NACF

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South Korean Financial Services Company Improves Data Availability and Data Retention Infrastructure

Montreal/Seoul, April 28th, 2005 – SAND Technology Inc. (NASDAQ: SNDT), an innovator in analytic application infrastructure, today announced that the e-banking division of National Agricultural Cooperation Federation (NACF), a leading Korean financial services group, has adopted the SAND Information Lifecycle Management approach to data warehousing and is now deploying SAND Searchable Archive as a key component of that strategic implementation.

NACF is a national financial services institution established in 1961, with over 4,000 branches throughout South Korea. It operates the largest electronic network system in the country, offering tele-banking, e-banking, mobile/PDA banking, and a variety of automated services. It processes a very large volume of e-banking transactions daily, and this is increasing steadily as customers become more comfortable with Internet banking. The large amount of log data generated by these transactions must be kept available for two months so that call centre staff can access it if necessary to respond to customer support requests.

The solution based on SAND Searchable Archive is now used to store almost a terabyte of transaction log data in a very compact (approximately 50 GB) archive that can be directly searched via a simple application using standard SQL. Support staff now get their answers in minutes rather than days. The archiving process is fully automated and can accommodate changes to archived objects over time with minimal administrative effort.

“We are very pleased with the performance of SAND Searchable Archive in our e-Banking data warehouse implementation,” said Young-Mun Cho, a Manager in NACF's e-Banking division. “The high compression rates resulted in significant storage savings, without compromising our users' ability to access the data quickly when they need it. We are also very happy with the performance of SAND support services and with TOPEND Technology as the project managers.”

“We anticipate several long-term benefits from the system. Besides the savings on disk costs, both application development costs and operations overhead will be reduced,” he added.

“The NACF is a very prestigious financial institution in Korea,” added Dong-Won Shin, CEO of TopEnd Technology, a Business Intelligence consulting services firm and SAND Technology's Korean distributor. “This is an important first reference site for us for SAND products, and we believe that this project will lead to more business within the NACF group and the financial services sector in Korea, as well as in other vertical markets.”

About TOPEND Technology

TOPEND Technology specializes in providing exceptional Business Intelligence consulting services and supplying innovative IT solutions in Information Lifecycle Management area. TOPEND ensures a fast return on investment and a direct influence on enterprises by improving their competitiveness and delivering business benefits quickly. For more information, please visit [www.top-end.co.kr](http://www.top-end.co.kr).

#### About SAND Searchable Archive

SAND Searchable Archive is a highly compact analytic repository that typically stores data in less than 10% of the space required by an equivalent relational data warehouse. Production installations have yielded 80%-90% compression of input data, which translates to at least 95% compression in comparison to a similar indexed relational database.

SAND Searchable Archive's read-only archive files can be searched using standard Business Intelligence tools and methods without decompressing the data first. In nearline applications, the selected data can be efficiently restored to the online warehouse, Operational Data Store or analytic server. In offline configurations, the selected data is queried in place without the need to restore it.

Users can configure the speed of data selection by adjusting the available server and storage resources, using less expensive media when storage cost is the underlying driver, and higher-performance resources, disc and servers when speed of data access is critical. Because the data access rate corresponds linearly with CPU usage, query speeds against the compressed files can approach or even exceed those achieved against the source warehouse.

#### About the SAND ILM Strategy for Analytic Environments

SAND Technology's Information Lifecycle Management approach leverages the strength of the existing data warehouse and operational data store (ODS) components of the Corporate Information Factory, by freeing them from the need to support both active "online" data and historical data in the same repository.

SAND Searchable Archive provides highly efficient "nearline" and "offline" data at a fraction of the resource requirement of relational environments. The result is a more efficient deployment of the "online" database and more cost effective storage of compliance, historical or secondary data. The "nearline" archival data can be restored to the core warehouse or ODS as and when needed, or queried directly. More complex analysis can be hosted on a SAND Analytic Server, where the 'killer queries' will run more efficiently, sparing business users from the performance penalties usually associated with complex analysis. The result: greater data availability, better levels of service to all classes of users, and reduced complexity of analytic infrastructure management.

#### About SAND Technology®

SAND Technology provides organizations worldwide with a unique vantage point from which to survey the competitive landscape. SAND's advanced analytic data management products empower users with a better understanding of their business environment through better access to their business data.

SAND Technology-based solutions include CRM analytics, financial analysis, regulatory compliance and specialized Business Intelligence applications for government and security, healthcare, telecom-munications, financial services, retail and other business sectors. SAND Technology has offices in the United States, Canada, the United Kingdom and Central Europe, and is traded on NASDAQ under the symbol SNDT. For more information, visit [www.sand.com](http://www.sand.com).

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Certain statements contained in this press release are "forward looking statements" within the meaning of the United States Securities Act of 1933 and of the United States Securities Exchange Act of 1934. The forward-looking statements are intended to be subject to the safe harbour protection provided by these Acts. We have based these forward-looking statements on our current expectations and projections about future results, levels of activity, events, trends or plans. Such forward-looking statements are not guarantees and are subject to known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of SAND to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. All forward looking statements included in this press release are based on current expectations and on information available to SAND on the date of this press release. For a more detailed discussion of these risks and uncertainties and other business risks, see SAND's current Annual Report and SAND's reports to the Securities and Exchange Commission. You are cautioned not to place undue reliance on forward-looking statements, which speak only as of the date made. We undertake no obligation to publicly release the result of any revision of these forward-looking statements to reflect events or circumstances after the date they are made or to reflect the occurrence of unanticipated events.

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