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## FINANCIAL MANAGEMENT

**T**oday, government organizations are struggling under intense legislative and regulatory pressures to find a better way to manage their resources, integrate and analyze information stored in diverse financial and operational systems, and to improve both accountability and transparency.

The CFO Acts of 1990 and 1994, OMB Circular A-127, JFMIP, FISMA, and numerous other requirements are all designed to improve visibility into the budgets and control expenditures by government agencies and departments. Federal agencies are faced with the task of integrating data from a wide array of feeder systems, including payroll, human resources, procurement and property systems into a single financial platform that can give them a clearer picture of the ways in which funds are spent.

In recent years, many government organizations have turned to Enterprise Resource Planning (ERP) systems to resolve these critical integration challenges. While these systems are excellent processing environments, they can't provide the integrated mission-focused, operational and financial information, data and analytics required to manage today's complex federal programs and environments.

Traditional methods for installing ERP systems are expensive and time consuming. Data conversion, change management and feeder system integration each represent hefty challenges that pose serious risks to agencies. A failure to address these specific obstacles may explain why so many prior implementations have failed, wasting millions of dollars.

In nearly all operational areas, federal agencies and departments need an analytic engine that can extract information from various, diverse database resources, and apply data mining techniques to help resolve complex problems. Teradata Corp. offers a faster, less risky way to implement new financial systems, while providing much-needed federal financial and operational analytics. Using Teradata's financial solutions, agencies can perform financial and operational reporting to satisfy regulatory oversight bodies, and provide a clear, consolidated view of each organization's financial information for agency managers.

The advanced federal financial analytics provided by Teradata permits agencies to measure performance and map funding to results, enabling government organizations to make better, faster, less risky decisions and improve the effectiveness of their programs. Increasingly, federal agencies and departments are finding they need an environment to integrate, store and analyze the mountains of data that feed into federal financial systems. Teradata offers a way to store that data and perform necessary analytics. Using Teradata's solutions, agencies gain the ability to respond to the numerous requests for information from Congress, the administration and the public, quickly and consistently.

Teradata's advanced financial analytics platform provides government organizations with the ability to identify patterns of fraud and abuse, prior to payments being made. By employing Teradata's financial analytics solutions, government organizations can detect relationships from non-obvious sources, enabling the cross-organizational analysis needed to detect fraud, or measure the effectiveness of grants and other payments, as a few examples.

Financial analytics solutions provided by Teradata can help federal government organizations improve procurement processes, refine resource allocation and create more reliable metrics that can improve cost projections and develop sustainable, automated regulatory compliance processes.

As the government begins its migration to the new Common Government Wide Accounting Codes (CGAC) requirements, Teradata's solutions can be used to assist in the conversion without requiring them to purchase new financial systems or undergoing major upgrades to their current platforms. Teradata's Master Data Management (MDM) capability, will allow agencies to quickly and economically implement this new transaction coding requirement and provide agencies and departments with the ability to run both old and new transactions in tandem in the same system. This same MDM capability allows agencies to deal with the problem of common naming conventions for contractors, grantees and others, across all systems within the agency. Teradata's solutions truly do allow agencies to create a single, accurate view of what's going on

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within their organization.

In addition, service-oriented architectures (SOA) benefit from a centralized, integrated view of financial data to support a range of business intelligence requirements and complex analytics. Bringing a consistent, accurate view of their financial data into their SOA architecture eliminates the need to slow network performance while searching for data scattered across departments, agencies or even far flung satellite locations. Incorporating Teradata's financial analytics solutions in their SOA plans will enable government organizations to more easily protect information, provide superior, integrated data for research and analysis and deliver the highest levels of multidimensional scalability to suit the analysis needs of any government institution.

### Setting Teradata Apart

Perhaps the biggest benefit of Teradata's analytics solutions for federal organizations is that they easily fit into agency enterprise architecture. The company's consulting expertise and support services can also help any government organization generate the pilot projects that will speed return on investment, while validating the need for advanced analytics to aid in support of key agency mission goals.

With over 25 years of experience, Teradata has helped government agencies gain a clear, integrated view of their data resources. Teradata's highly scalable decision support platform with specialized tools, data mining and web accessibility features, provides the analytic engine agencies need to interpret information gleaned from multiple, diverse database resources, both within and across agency boundaries.

Whether working directly with federal institutions or via systems integration partners, Teradata's solutions are used in the initiatives of the U.S. Air Force, the U.S. Navy, the Department of Labor, the Department of Justice, the U.S. Postal Service, the Center for Medicaid and Medicare Services and the Department of Agriculture, among other federal and state government organizations.

Teradata's financial analytics solutions can help agencies deploy multiple decision-making applications for various groups and create a single source of data for any enterprise. For these reasons, the federal government should take a closer look at how Teradata can meet the need for integrated financial functionality, while creating visibility into daily operations and resolving key financial and regulatory challenges.

### Gaining a Financial Foothold

The Department of Justice's (DoJ) Financial Management Information System (FMIS) is the primary automated financial system for the offices, boards and divisions, the U.S. Attorneys, and the Bureau of Prisons. The FMIS supports the range of financial management requirements, including general ledger functions, budget execution, travel, third-party and Treasury payments, as well as credit card purchases.

The FMIS is also continually evolving to respond to regulatory or reporting requirements, while providing easily obtainable and understandable information for all staff levels involved in financial operations or management, in addition to budget formulation and execution.

The DoJ relies on a Teradata Enterprise Data Warehouse (EDW) to store FMIS data collected from PCs, mainframes and file transfers. The information is currently processed in a mainframe environment, though the DoJ also uses fourth generation languages and relational tables to analyze the operational processing of funds flowing to, from and within the Department. The system also analyzes information used for management controls and to help the Department meet external reporting requirements. The DoJ reports FMIS additionally aids in planning and forecasting activities.

According to the DoJ, the primary objectives of FMIS include:

- Automating transaction processing related to the receipt or payment of funds;
- Automating record storage and retrieval related to the process;
- Supporting management controls over the process, including internal/external report requirements;
- Providing reliable information to aid in planning for the Department's future needs and assessing both present and past activities.

In accordance with the CFO Act of 1990, OMB Circular A-127 and other JFMIP requirements, DoJ's FMIS is continuing to progress toward an integrated financial management system.

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