



information systems consulting

E-GOVERNMENT

1. Web-Content Management Development and Conversion

TCBA provided task leader services to the District of Columbia Office of the Chief Technology Officer (OCTO) to manage the conversion of the dc.gov web site to a new content management solution. Our responsibilities included design of business processes and requirements workflows and managing system installation, development, implementation, training and city-wide marketing for the conversion of all District web sites, as well as strategic planning. TCBA managed the delivery of “special” online applications including designing and analyzing the business processes for various agencies, as well as management of the development of Internet applications. TCBA was also responsible for managing the development of District web sites, including gathering requirements, facilitating communication between OCTO and the agencies, developing storyboards, and managing development efforts to ensure that web sites met agency operating and customer service needs and the District web standards.

2. Municipal Area Network (MAN) Acquisition Planning

The Government of the District of Columbia sought support for the negotiation of “franchise” agreements

with two cable television companies, where these companies would be responsible for providing fiber-optic network backbone infrastructure for DC’s planned city-wide network. TCBA’s team reviewed and assessed the draft specifications for DC Municipal Area Network, and reviewed draft lists of addresses and map in AutoCAD. We modified the specifications to include best practices, technical criteria and system architecture, system verification and activation standards and procedures. We developed a strategy to allow the physical network to be extended into potential wireless technologies and developed recommendations for meeting the project objectives. We also provided written recommendations to the engineering team of the District of Columbia Unified Communications Center regarding the general approach to system performance.

3. Internet Access to Government Services

TCBA provided systems development life cycle services in support of the District of Columbia’s effort to establish internet access to selected city services. We served as the primary interface between the District and its customers and its vendors. Our services included project management, technical and application design support, systems requirements analysis, risk analysis, strategic planning and risk mitigation support for assorted applications under development and related systems implementation projects.

4. Program Management

TCBA provided management support for the DC Office of the Chief Technology Officer's e-Government project. Our responsibilities included tracking progress of each agency's web application development effort, participating in quality design reviews to ensure that web applications met OCTO's standards, reviewing web page content accuracy, monitoring web application migration from the test environment to the production environment, and providing ongoing project status reports to the client sponsors.

5. Enterprise Architecture

TCBA provided a technical professional to serve as the Deputy Chief Technology Officer for the District of Columbia Office of the Chief of Technology Officer (OCTO). Our responsibilities on this project included defining technical standards, defining technology architecture, and managing IT projects. Our personnel also developed technical standards and architectures that met the requirements of the various OCTO initiatives, assessed projects and initiatives for viability, analyzed proposals and vendor contracts, assessed the operational and support requirements for current and future initiatives, provided program level oversight to ensure that projects were successful, and developed high level strategic plans for all major initiatives of OCTO.

ENTERPRISE PLANNING

1. Application Architecture Assessment

TCBA assisted Research Analysis and Management, Inc. (RAM) by providing technical support services via a contract with the Health Care Financing

Administration (HCFA). This project included architectural review, validation, and documentation of software used to ensure that HCFA employees receive correct and timely travel authorization and reimbursement.

TCBA reviewed the application architecture used by HCFA in developing the HCFA Travel System (HTS) prototype. TCBA validated the interfaces required and made recommendations identifying technical advantages and disadvantages of pursuing the current approach beyond the HTS prototype. We delivered a final Letter of Finding\Architecture Report (LOF\AR) that documented the technical advantages and disadvantages of the current application architecture and the two alternative approaches. The LOF\AR included recommendations on the telecommunications and database interfaces necessary to integrate the HTS application with HCFA's IDMS database residing on an IBM mainframe.

2. Strategic Planning Services

TCBA assisted the Information Technology (IT) Department of the AmeriDream Charity in implementing the changes recommended in a recent assessment, developed a three-year IT strategic plan and budget, and set up IT services in newly acquired corporate headquarters. TCBA also provided a high-level IT expert to serve as AmeriDream's Interim Vice President of Information Technology and conducted an assessment of the existing information systems infrastructure, which included a detailed review and analysis of the organization's technology and how it supported the overall business objectives. The assessment included a review of software and hardware, staff, training, system security, back-up and recovery procedures and whether each of these areas appropriately addressed AmeriDream's business and operational needs.