

BRAC Management Information System Application & Maintenance Support

Department of Navy

- **Start Date** : September 2008
- **End Date** : September 2011
- **Duration of the project:** 3years

- **Scope**

Tri-Force Consulting Services, Inc. has provided support to the Department of Navy, Naval Facilities Engineering Command (NAVFAC Atlantic), Base Realignment and Closure Program Management Office's (BRAC PMO), and has taken care of the support and services requirement of the (BRAC MIS).

Tri-Force maintained the entire BRACMIS and KMS systems. Our responsibilities included database management, ensuring availability of services and functionalities by providing all kinds of essential technical maintenance, data analysis, and program management services.

The web oriented database application used by BRAC PMO is based on Microsoft Transaction Server, ASP.NET, Classic ASP, Visual Basic (VB/MTS) COM Component for front-end, and Oracle 11g for back-end. The system developed by Tri-Force supports the realignment, closure, disposal; program and financial requirements for Department of the Navy installations. The BRAC Program Management Office is responsible for coordinating with the Department of Navy BRAC Support Offices, Commander Navy Installations Command, Headquarters Marine Corps, Naval Facilities Engineering Command, and Department of the Navy Assistant for Administration (DON/AA), and all echelon commands with BRAC implementation responsibilities. As per the requirements of the BRAC community, reports are generated and provided to higher echelons. The information required for BRAC actions is dynamic in nature which is often voluminous, requiring frequent data calls. The privileged users of the Department of Navy (DON) must have the ability to prepare rapid responses to requests made for information. The system takes care of this requirement, and is serving the demands of the DON ceaselessly since its installation.

BRACKMS consists of a data warehouse built on Oracle 11g and the presentation layer is built on Cognos8 Business Intelligence (BI) Suite. BRACKMS gets data from different source systems such as the Standardized Accounting & Reporting System - Field Level (STARS-FL), NORM and FIS. Tri-Force used Microsoft SQL Server Integration Services (SSIS) to Extract the data from flat files, Microsoft Access, Oracle and Other type of source systems, transformed it by applying different business rules and loaded it into the data warehouse. Its main data source system is BRACMIS where data is pulled twice a day to update the PM module of the data warehouse. The Tri-Force team used different techniques such as parallelism to improve the performance of the data integration operations in SSIS.

BRACKMS allows the BRAC PMO users to easily access information and enabling them to create List, Grouped List, Crosstab and Charts report quickly and easily. Reports that used to be generated manually are now automatically generated. Weekly and monthly standard reports are sent automatically to BRAC PMO managers through cognos8. Tri-Force team has done trainings to BRAC PMO users to help them get more familiarized with the cognos8 BI tools.

Tri-Force had four consultants working on BRACKMS and the consultants were working

closely with BRAC PMO to assist them with their reporting needs. There was also a close coordination and collaboration between BRACMIS and BRACKMS in support of BRAC PMO data requirements

Our dedicated resources supported following tasks by adhering to standards:

- Assisted the Government in implementing approved system and network design changes, System upgrades or equipment replacement, over and above normal operations. Such support was planned to minimize disruption of day-to-day operations.
- Maintained user access to BRACMIS systems; sustain database availability and functionality.
- Maintained the BRACMIS database, including fields, tables, schemas, snapshots, updates, displays, reports, and extracts.
- Maintained user access to the BRACKMS system.
- Maintained the BRACKMS backend datawarehouse.
- Upgraded software, update tutorial, and research and define proposed modifications to system and NMCI documentation as needed.
- Supported the Government in data queries, data management, and design and execution of data calls.
- Conducted internal performance reviews and provided timely notification of items which require Government action.
- Delivered requested reports and products.
- Participated in meetings with the Government.
- Assured continuous quality improvement in service, technology, and program management; report on improvements in service and technology that could be implemented

- Provided help desk functions to assist system users to research and resolve BRACMIS problems.

Highlights

- Maintenance of the BRACMIS database; Data Management Services and Support: database administration
- Maintenance and Enhancement support for Web application development; Client software application development
- Help Desk Support

- **Technology Stack**
ASP.NET, C#, AJAX, Secure Socket Layer (SSL), Classic ASP, Visual Basic 6.0, SQL Server 2005, Oracle 11i, MTS, SSIS, Ms Access, Web Applications, Data Modeling, Cognos, JavaScript, IIS 6.0, Web services