NSWC Corona
Process Evaluation - Materials Readiness Database (MRDB)

Client Name: NSWC Corona – Materials Readiness Assessment RA10
Date Started: January 2012   **Date Completed:** February 2012

The United States Navy implemented the Materials Readiness Data Base (MRDB) as a means of tracking the readiness status of all USN equipment deployed throughout the world. For equipment and systems that are entered into the system, the database maintains a detailed maintenance record of all equipment and systems so that reliability and readiness can be assessed.

The system has been a tremendous success and overtime, the group--Materials Readiness Assessment RA10--tasked with adding new equipment and systems into the database and using it to develop the required readiness reports, has been overwhelmed. TransSolutions was retained by RA10 to perform an analysis and evaluation of the current business processes used to support and maintain the MRDB. Current state process maps were developed that identified bottlenecks and displayed task ownership, duration, and cost.

Adding systems to the MRDB and then using the MRDB for reporting purposes is called "Implementation" and "Sustainment," respectively. Each of these processes have four distinct phases of MRDB activity:
- Phase I – Gathering of Information
- Phase II – Assessment Criteria Development
- Phase III – MRDB/FE Setup
- Phase IV – Data Pull and Report Processing

Four major barriers were identified for process change within RA10 to improve the effectiveness of MRDB. A "Best-in-Class" analysis indicated that resolving these barriers would be reduce costs by 16% (approximately $354,827) for new system implementation and 7% (approximately $405,828) for on-going system use, annually.