



PROJECT DESCRIPTION

US JOINT CHIEFS OF STAFF, J-7 DIRECTORATE, JOINT DOCTRINE DEVELOPMENT SERVICES

RELEVANT SERVICES PROVIDED

- Document Management
- Content Management Systems
- Information Management
- Embedded Multimedia
- Training
- Online Coordination Tools
- Application Development
- Interagency Communication
- Technical Consulting and Staffing
- Recruiting
- Expertise in Joint Doctrine and Concepts

CLIENT

US Joint Chiefs of Staff

PERIOD OF PERFORMANCE

2002 –present

SUMMARY:

PenBay has provided services to the Director for Operational Plans and Joint Force Development (J-7) in support of the Joint Chiefs of Staff on several projects including:

- *Joint Education and Doctrine Division(JEDD) Support – Joint Doctrine Development Tool (JDDT), Joint Publication review and editing; join terminology*
- *Joint Exercise and Training Division (JETD) Support - Joint Training Information Management System (JTIMS), Universal Joint Task List (UJTL)Task Development Tool (UTDT)*
- *Joint Force Development and Integration Division (JFDID) Support – Joint Capability Area Management System (JCAMS)*

Joint Education and Doctrine Division(JEDD) Support – Joint Doctrine Development Tool (JDDT). The Joint Chiefs of Staff required a web-based document-staffing tool for coordinating documents with military commands and civilian agencies around the globe. PenBay, working as a subcontractor to SAIC, has developed a software application that allows multiple organizations (or multiple levels within the same organization) to coordinate on a draft document; track all comments made and provide a complete history of how each comment was handled; and assist with the production of the next version of the document. In order to meet all the requirements suitable for a multi-agency document handling tool, the Joint Doctrine Development Tool



(JDDT) was created by PenBay and SAIC to:

- Handle large documents in PDF format
- Automate the collection and collation of comments from multiple reviewers and store them in a central database
- Ensure the matrices downloaded from the developer site can be updated and added back to the site to continue the coordination process
- Provide different analysis views of the comment data to meet the needs of different users (authors, consolidators, reviewers, administrators)
- Allow review and consolidation of comments from subordinates at the Service, combatant command, and Joint Staff levels prior to submission to authors
- Allow reviewers to see adjudicated comments
- Reduce reviewer errors by providing a standardized method for making comments
- Facilitate the production of the next draft of the document

The JDDT's server side components are Java-based. The web-based portion consists of a central comment and draft publication data store and a web application for distribution, collation, and tracking of comment data and entering, reviewing, adjudicating, and editing comment data. The application provides vastly improved coordination capabilities through a simple user interface built in Flash.

Joint Exercise and Training Division (JETD) Support., UTDT: The Joint Chiefs of Staff required a web-based application for coordinating revisions to Universal Joint Task List (UJTL) tasks with military commands and civilian agencies around the globe, for which there was no automated system. PenBay and SAIC developed a tool that handles the authoring, submission, distribution, staffing for Action Office and Planner comment and vote, comment adjudication, final approval and publishing functions of UJTL task change requests. The tool contains the master copy of the UJTL database and provides the source for update UJTL information for other DOD systems such as the Defense Readiness Reporting System and the Joint Training Information Management System. Additionally, it handles user permissions and keeps a complete historical record of all document activity. The distributed architecture of the application consists of a central server repository and client application viewable with a standard web browser with the Adobe Flash plug-in.

The UTDT's server side components are Java based. The web-based portion consists of a central comment and draft publication data store and a web application for distribution, collation, and tracking of data and entering, reviewing, adjudicating, and editing data. The application provides vastly improved coordination capabilities through a simple user interface built in Adobe Flex. This system is presently operational for the Joint Staff, hosted by OCIO on the SIPRNET. PenBay continues to develop annual improvements to this system. The technology used includes Adobe Flex, Java, Apache Tomcat, and Oracle databases.

Joint Force Development and Integration Division (JFDID) Support – Joint Capability Area Management System (JCAMS): Since the J-7 assists the Chairman of the Joint Chiefs of Staff by enhancing joint force development through war plans, doctrine, education, training, exercises,



and the assessment of each through the observation of Combatant Commanders and CJCS exercises and real world operations, they are concerned with Joint Capability Areas (JCAs), collections of like DOD capabilities functionally grouped to support capability analysis, strategy development, investment decision making, capability portfolio management, and capabilities-based force development and operational planning. To clearly define and promulgate JCAs, the J-7 had a need for a management system that would support and facilitate the JCAs business rules and related documentation, while seamlessly providing access to databases and related DOD information. To satisfy this need, SAIC and PenBay have developed JCAMS, a web-based database management system with an enabled web display of JCAs. Considered 'the Department's capability management language and framework', JCAMS assists in achieving the goals of superior organization and communication of the J-7 Directorate. JCAMS integrates the management of four different databases into one application, allowing easy access to the JCAs, UJTL tasks, Program Elements, and Joint Operating Concepts. It allows for the maintenance of each of the four databases, along with linking between items in each of the databases. JCAMS, deployed in 2008, has undergone several upgrades, including a reengineering of the existing JCA Mapping Tool. SAIC and PenBay worked to develop a major upgrade that includes interfaces to another four databases and the ability to coordinate changes to the contents of the databases with geographically dispersed users of interest.

PenBay has worked with SAIC on these projects for more than 8 years and has consistently performed as a subcontractor supporting the J-7 projects fully, developing and maintaining a positive relationship with the J-7 staff.