

WHO

SYSCOM: NAVAIR

Sponsoring Program: PMA 205

Transition Target: Maritime ISR (MISR) Community

TPOC: (407) 380-4773

Other Transition Opportunities: Resolute Hunter Participants - DoD
Communities which rely on Chat driven communications - Marine Corps Intelligence Schools - Marine Corps Warfighting Lab - Air Operations Center, Nellis Air Force Base, Nevada
- 432nd Air Expeditionary Wing, Creech Air Force Base, Nevada

Notes:



Military representatives from multiple countries and services participated in Exercise Resolute Hunter aboard Naval Air Station (NAS) Fallon, Nevada. - <https://www.navy.mil/Press-Office/News-Stories/Article/3338627/bi-annual-exercise-resolute-hunter-provides-real-world-partner-nation-and-us-jo/>

WHAT

Operational Need and Improvement: Current power point and some simulation-based training methods lack integrated content management and on the fly training realism agility. The MISR community needs a flexible and easy way for Instructors to rapidly create, execute, grade, and provide after action reporting of the inject-driven practical and exercise communication training as part of the weapon school course.

Specifications Required: The MISR community required an agile web-based adaptive training technology that is approved to run on Navy NIPRNet and SIPRNet (Navy Continuous Training Environment-NCTE) and could rapidly adapt to changing weapon school requirements and teaching situations.

Technology Developed: Built with a plug and play architecture, the Maestro™ application provides instructors the ability to rapidly create training roles, teams and communities. Develop tagged inject training scenarios with course and training objectives. Execute and modify training scenarios on the fly with custom “drag and drop” inject content. Grade during scenario execution for rapid debrief. The Maestro™ application captures student performance assessment(s) for grade-based reach back at the student, class and community levels. Training content information is structured to accommodate future development activities that will enable automated training adaptations for improved and tailored grading and training content analysis, resulting in an adaptive training capability – at the student, class, community, and instructor levels.

Warfighter Value: The Maestro™ application provides remote access capabilities that will increase the capacity for home station training and remediation that reduce travel costs. These capabilities also provide a mechanism to level set class participants prior to the start of a weapons school class participation to increase training effectiveness and efficiency. Finally, the virtual training environment and distributed training capabilities offer a mechanism to scale up training throughput and increase scenario realism through collaborative training scenarios.is now being looked as a home station aid to reduce travel and costs associated with training efforts. Efforts are also underway to level set class participants prior to the start of a weapons school class as articipants typically come from a variety of Mission Design Series (MDS). Recently, Maestro™ once again proved integral to the weapons school success as the school exerienced a 6x increase in student participation.

WHEN

Contract Number: N68335-24-C-0029

Ending on: May 21, 2025

Milestone	Risk Level	Measure of Success	Ending TRL	Date
Draft Maestro Design	Low	Customer Acceptance	4	4th QTR FY24
Prototype Update	Low	Customer Acceptance	5	4th QTR FY24
Final Software Design	Low	Customer Acceptance	6	1st QTR FY25
Final Prototype Demonstration	Low	Customer Acceptance	7	2nd QTR FY25
Final Report	Low	Sponsor Acceptance		3rd QTR FY25

HOW

Projected Business Model: With a desktop and web-based version of the Maestro™ application, KBSI is able to service a variety of customer requirements and classifications. For the unclassified and classified desktop version of Maestro™, KBSI intends to provide licenses directly to the end-user community based on classification need. Support services consisting of software maintenance, training content development as well as customized enhancements and/or features will be offered for a fee. For the unclassified web-based version of Maestro™, KBSI will offer a subscription-based model hosted in the gov or commercial cloud. For the classified web-based version of Maestro™, KBSI will license the web-version to the government for placement on the appropriate network. KBSI will also look to partner with Part Task Trainer Primes and SME's for specific training course support which will be offered as a fee for service.

Company Objectives: KBSI seeks to transition the Maestro™ application to the Navy's Maritime ISR Weapons School Community as well as MISR Fleet operations. It's our goal that Maestro™ becomes the defacto application to teach communitation skills within the DoD and Coalition ISR community.

Potential Commercial Applications: The Maestro™ application is suited for any communication training application requiring a stimulus and response measure, such fields would include, 911 Operators, Emergency Response, Law Enforcement, Cyber Security, Critical Protection Understanding, Communications and Customer Service.

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