Department of the Navy SBIR/STTR Transition Program
DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.
NAVSEA #2023-0770

Topic # N193-A01
NAVY TECHNOLOGY ACCELERATION - Machine Learning (ML) and Artificial Intelligence (AI) to Develop Capabilities and Impact Mission Success
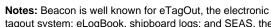Beacon Interactive Systems

WHO

SYSCOM: NAVSEA

Sponsoring Program: PEO SHIPS

Transition Target: SCSC Wallops

TPOC: robert.m.desouter.civ@us.navy.mil

Other Transition Opportunities: Test sites and any organization with high-value equipment where downtime results in a significant operational impact. MISSILE went operational at SCSC Wallops in Fall 2023 to manage AEGIS and SSDS Combat Systems baselines. Leveraging the in-use production version of this system, the intention is to scale operational impact across Navy sites and DoD facilities as well as at other agencies.

Notes: Beacon is well known for eTagOut, the electronic tagout system; eLogBook, shipboard logs; and SEAS, the Navy's Operational Energy C2 system. Deployed across US Navy ships, subs and carriers, Beacon's digital products are readily adopted by sailors thanks to user-centered design and a consistent focus on end user needs. With products deployed across multiple DoD hosting environments, Beacon has repeatedly delivered successful mission critical capabilities.

US Navy image 230319-N-YA628-1536, available at https://www.navy.mil/Resources/Photo-Gallery/igphoto/2003184316/

WHAT

Operational Need and Improvement: MISSILE (Multiple Systems Status Information Logistics & Equipment) delivers on the Navy's need to connect traditionally stovepiped processes and integrate with legacy systems. Leveraging initial SBIR investments with additional Air Force investment in digital transformation, MISSILE delivers the operational impact needed to streamline operations, improving the efficiency of test sites to ensure reliable performance of technology for the Warfighter.

Specifications Required: MISSILE improves configuration management, real-time operational visibility, maintenance, event planning, scheduling, and execution, as well as logistics integration. Its multi-tenant features increase efficiency and collaboration with other land based test sites and blue water ships.

Technology Developed: MISSILE is a cloud-based technology designed to modernize land based test site operations and reduce the manual input of data through automation and integration with other systems. MISSILE's open architecture framework utilizes industry-standard microservices and containerization with native Risk Management Framework (RMF) controls.

Warfighter Value: With enhanced scheduling and delivery of test, evaluation, and training events, MISSILE enables SCSC to more efficiently and effectively perform its core mission to support Fleet readiness.

WHEN

Contract Number: N68335-22-C-0241   **Ending on:** May 15, 2023

Milestone	Risk Level	Measure of Success	Ending TRL	Date
Prototype		Organizational acceptance of design approach & functional capability	6	3rd QTR FY23
Program ATO	Low	ATO Granted	8	4th QTR FY23
Go Live for SCSC	Low	End users engage with the platform in day to day operations	8	4th QTR FY23
Multi Ogrn	Medium	User adoption across the enterprise beyond SCSC	8	3rd QTR FY24

HOW

Projected Business Model: The path forward is to license MISSILE directly to both government and industry partners.

Company Objectives: Identify additional partners and customers to both scale and expand the existing offering across defense and industry organizations.

Potential Commercial Applications: The highly flexible deployment and data integration capabilities of this platform are optimized to benefit organizations with high value assets and mission critical need to consistently and reliably operate. Potential commercial applications include private shipyards, maritime, energy production, and manufacturing both US and global.

Contact: Wes Hallman, EVP, Business Development
wes.hallman@beaconinteractive.com (202) 288-6816