

Department of the Navy SBIR/STTR Transition Program

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Topic # N171-077

CS:CLIPBoard - Integrated Barcode and Inventory Management System

Premier Solutions Hi, LLC

WHO

SYSCOM: NAVSUP

Sponsoring Program: Food Service Management System (FSM)

Transition Target: Food Service Management 3.0 (FSM 3); Navy Fleet Audit Compliance Enhancement Tool (FACET); Naval Operational Business Logistics Enterprise/Naval Operational Supply System (NOBLE/NOSS);

TPOC:
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Other transition opportunities: The technology developed for CLIPBoard will help streamline receiving while achieving FIAR compliance across all classes of supply for both DoD users and its commercial partners. Other potential customers include Navy warehouses and parts depots, Military Sealift Command units, Defense Logistics Agency operations and prime vendors and logistics operations for all services.



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WHAT

Operational Need and Improvement: Sailors receiving and inventorying food and other supply items currently rely on pen and paper-based recordkeeping and manual entry into multiple data systems. These processes are both time-consuming and prone to error. Additionally, current data systems such as FSM are not compliant with Navy directives for audit readiness or DoD/industry standards for electronic data interchange.

Specifications Required: The CLIPBoard is designed to meet all requirements outlined by the Fleet for technology supporting the next-generation Navy Operational Supply System. High-level requirements include meeting usability, environmental and network/cybersecurity standards in afloat and ashore operational settings, compliance with Navy/DoD financial improvement and audit readiness (FIAR) directives for all transactions, and adherence to DoD and industry logistics standards such as DLMS (DODI 4140.1). CLIPBoard works both with legacy systems such as FSM 3.0 and R-Supply and has been engineered to support seamless transition to the data standards and environment defined for NOSS.

Technology Developed: CLIPBoard will provide an audit-compliant integrated barcode and inventory management system with handheld capabilities. The system eliminates paper reports and manual data entry by electronically automating the process of receiving, receipting, issuing and returning supply items, conducting spot and full inventories, and providing accountability for all tasks. CLIPBoard provides data input into FSM 3.0, R-Supply, FACET and other Navy supply systems and will offer native support for the DMLS and FIAR requirements of the Naval Operational Supply System (NOSS).

Warfighter Value: Today's sailors are challenged by increasingly heavy workloads and deserve modern tools. Handheld devices and mobile apps are used to increase productivity both in industry and everyday life. CLIPBoard emerged from a sailor-identified need to leverage mobile technology and barcode labels - technologies that are already standard in commercial logistics used worldwide --- to reduce workloads, improve efficiencies, and save money.

WHEN

Contract Number: N68335-18-C-0591 **Ending on:** September 30, 2020

Milestone	Risk Level	Measure of Success	Ending TRL	Date
Develop CLIPBoard Hardware Architecture	N/A	Hardware specifications	4/5	June 2019
Develop CLIPBoard Software Architecture	Med	Demonstration system	6/7	September 2019
Pilot Project in Operational Galleys	Med	Acceptance of System	7/8	January 2020
Achieve necessary IA/cyber accreditations	High	Navy RMF A&A	8/9	September 2020
Transition into NOSS	Med	Technology insertion into POR	9	September 2020

HOW

Projected Business Model: Premier Solutions HI LLC (PSHI) is a woman and disadvantaged minority-owned small business based in Honolulu Hawaii with locations in Norfolk VA, San Diego and Japan. PSHI provides information technology services and systems development supporting the Navy worldwide. PSHI is the developer and prime contractor of the Navy's Financial Audit Compliance Enhancement System (FACET), currently deployed on every ship in the Fleet and hundreds of ashore activities.

Company Objectives: CLIPBoard brings FACET's FIAR compliance and business process improvement to the mobile environment, enhancing the capabilities and broadening the market for the FACET system and other PSHI technologies across the Navy/DoD logistics enterprise, including DoD commercial partners.

Potential Commercial Applications: In the near term, commercial partners such as the DLA's Subsistence Prime Vendors, stevedores and husbanding agents have already expressed interest in mobile technologies that streamline business operations by enabling electronic transactions with the Navy/DLA. Commercial applications in the shipping and transportation recreational cruise industry and aviation markets are also being explored.

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