

# Mobile Learning Strategies



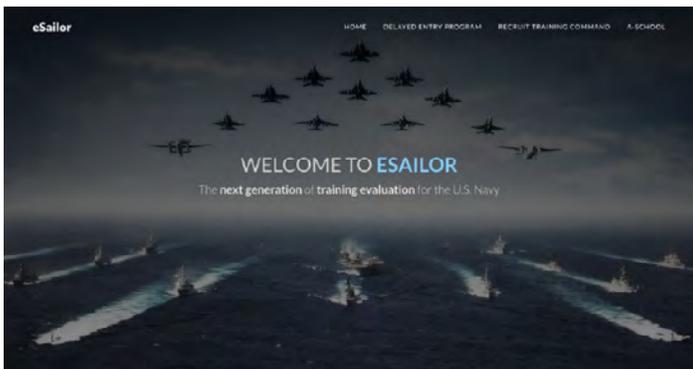
## EXHIBIT FACT SHEET

The NAWCTSD Mobile Learning Strategies (MLS) team is supporting Sailor 2025 by leveraging mobile technology and mobile-specific learning strategies to develop prototypes, establish academic partnerships, and conduct market outreach. The MLS team has briefed the Chief of Naval Operations (CNO), the Master Chief Petty Officer of the Navy (MCPON), and the Naval Education and Training Command (NETC) staff on mobile training concepts dating back to December 2014. In FY16, the MLS team is spearheading several related efforts that will help move Navy training into the mobile world.

### eSailor

eSailor was launched in the spring of 2015 at Recruit Training Command (RTC) Great Lakes as the first pilot for the use of mobile devices by sailors throughout the U.S. Navy. The objective of eSailor is to provide a better quality of life, accessible job support aides, and increased potential for meaningful training support throughout the career of a sailor.

NAWCTSD has been funded to support the eSailor initiative by developing eHelm to present and manage boot camp curriculum for newly-enlisted sailors during their initial training at RTC. NETC N6 has provided funding for this effort to be completed during FY16.



### eHelm

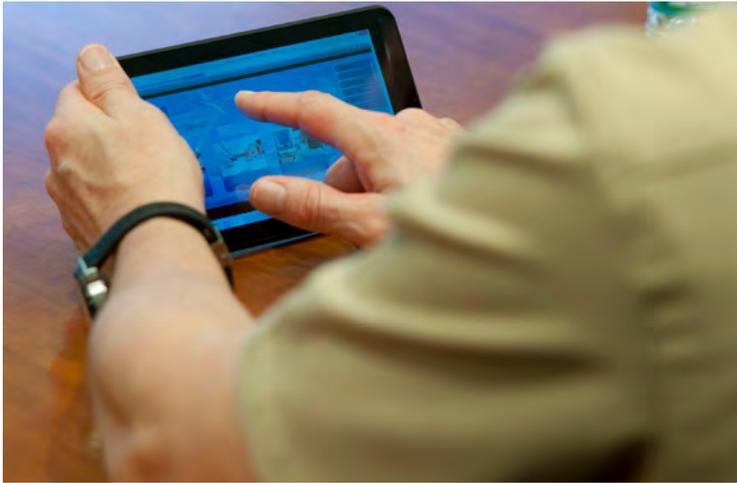
eHelm is a mobile application that will serve as a curriculum dashboard for students to view, navigate, and interact with training content on mobile devices. The goal of the eHelm effort is to develop a government-owned, reusable proof of concept and a comprehensive strategy for moving legacy content into new, mobile-specific delivery methods.

### Data Architecture and Training Effectiveness Model (DATEM)

The focus of DATEM is to explore data-gathering capabilities utilizing learner interactions that push the bounds of content and user monitoring in order to evaluate training effectiveness. The Data Architecture (DA) will be utilized to build a Training Effectiveness Model (TEM) for mobile-specific instructional content.

Existing and new protocols, such as xAPI and Human Performance Markup Language (HPML), will be leveraged to accurately gather data from eHelm. DATEM would be able to support other mobile and distributed learning environments as well as the data architecture design and instructional strategies for Navy mobile learning development.





## Mobile Learning Framework

The MLS team is also developing a Mobile Learning Framework concept to guide the Navy's training enterprise in the application of mobile training solutions. The Mobile Learning Framework is currently funded through the eSailor/eHelm effort to capture development efforts, lessons learned, and related implications. Additional guidance for developing and deploying mobile learning will be collected and published in the form of style guides, best-practices, and instructional strategies.

## Strategic Partnerships

In addition to the current NETC, RTC, and N7 support for eSailor, the MLS team has partnered with the University of Central Florida's Institute for Simulation and Training and the Mixed Emerging Technology Integration Lab (METIL) as well as Office of Naval Research (ONR).



*Navy Recruits in Mobile Learning Class*