



modern learning strategies

MODERN LEARNING STRATEGIES (MLS)

Supporting the Navy training enterprise through the development of new learning technologies based on modern devices and platforms.

The Modern Learning Strategies (MLS) team supports the Navy training enterprise through the development of new learning technologies based on modern devices and platforms. Efforts underway include mobile application development (e.g. eHelm, RRL Informational App), Data Analytics, the Mobile Learning Framework, Mobile Application/Device/Content Management, and Infrastructure/Deployment. Additionally, the MLS team provides support for the Sailor 2025 Ready Relevant Learning initiative for Fleet Forces Command.



eHelm

eHelm is a first-step, cross-platform, mobile application (app) for the Naval training enterprise that presents legacy content in mobile devices and provides a smooth end-user experience through a touch interface. Content use is tracked through modern learning protocols, such as xAPI.

A Content Packaging Application (CPA) converts the legacy content to native digital formats for a variety of mobile operating systems. The CPA also provides a simple method to organize the content layout for the eHelm app.

Ready Relevant Learning (RRL) Informational App

The RRL Informational App distributes information regarding the Sailor 2025 Ready Relevant Learning effort to interested stakeholders through a user-friendly, cross-platform app. The app implements mechanisms to manage deployment within current Navy constructs and to maintain functionality in locations with limited connectivity.

Mobile Application/Device/ Content Management

The MLS team is exploring various approaches to MAM/MDM/MCM for use within the Navy enterprise. Efforts include balancing cost, outlining existing infrastructures, and mitigating cybersecurity concerns. Lessons learned are provided to organizations exploring the use of mobile technologies in their training pipelines.

Data Analytics

The MLS team has various working projects dedicated to determining how data can support a Sailor's learning continuum.

- xAPI implementation
Focused on xAPI use in specific Navy scenarios.
- Working member of the Navy xAPI working group
Focused on xAPI use cases within the Navy training enterprise.
- Data Architecture and Training Effective Model (DATEM)
Proof of concept that explores data tracking and visualizations.

Infrastructure/Deployment

Understanding existing infrastructure and deployment mechanisms is critical when attempting to implement new technologies into Navy training. The MLS team works with multiple N6 teams to understand the characteristics of their given IT infrastructures, which informs technology decisions. In addition, NAWCTSD is setting up a lab that will mimic the deployment mechanisms for the Ready Relevant Learning content.