

JBMDL191-004 TITLE: Training

TECHNOLOGY AREA(S): Learning, Simulators

DESCRIPTION: The Expeditionary Operations School (EOS) mission is to train and educate total force Airmen for a broad spectrum of expeditionary operations today and tomorrow. The 421st Combat Training Squadron is dedicated to sustaining and exploiting the arsenal of Expeditionary Combat Support (ECS) AF Combat Support Tactics, Techniques and Procedures (TTP), arming graduates with the skills and confidence to effectively and safely operate in the expeditionary environment. The 421st instructor cadre is responsible for providing Phoenix Raven, Anti-Terrorism, Mobile C2 and C3 System, Fieldcraft and Contingency Response Training. The 423rd Mobility Training Squadron provides instruction in logistic readiness, deployment, maintenance, air transportation, aircrew resource management, and air mobility operations. The 423rd is the focal point for gathering life-saving multisource tactical lessons learned and AF Combat Support TTP Repository, refining and vetting them within a robust cross-functional community, then rapidly disseminating them to operational and training units around the world. World-class instructors provide credible, relevant, and unparalleled education to Combat Support, Force Protection and Mobility Air Force intelligence Airmen at all levels of the Air Force. The Air Force wishes to stay at the cutting edge of training & learning technologies and is looking to partner with innovative small businesses that may have solutions to Air Force challenges. The areas listed below are high level challenge areas that the Air Force is interested in novel solutions:

1. Leveraging software-based simulators for training

Additionally the Air Force has a number of specific challenges that require tailored solutions:

1. Centralized Information System

In the 421 CTS, with 40+ different career fields, all conducting specific assigned duties outside of their career field expertise, we lack a single centralized system that can track, monitor, or report duty status.

We are interested in a computer software product that can pull information from various sources (excel spreadsheets, access, web based systems, etc) to report on training qualifications/currency, course specific instructor assignment, Arming & Use of Force Status, Medical Readiness status, and internal Mast Training Plan status/currency, amongst other information.

The desire would be to relate all of this information to a single, sortable, modifiable product that could easily show us Go/Green status for each of our instructors based on specific course/lesson plan in order to quickly schedule our daily/weekly/monthly activities, and give a snapshot of the overall qualification status/health of the unit with respect to conducting our specific ground combat training mission.

The 509th SF has a similar system, built by an Airman, that produces a single system display for all SF members related to duty assignments:

Air Force SparkTank Submission (3 min video explaining Integrity)

https://www.dvidshub.net/video/634747/sra-ryan-thompson-spark-tank-submission-integrity-information-system?fbclid=IwAR1fXkAI6UhQ-ACk038K_BpCVMdWZP5aJDv2Avd5idHWv3rxayetdCcK3o8

A system that could do this, would save us immense numbers of man-hours that many individuals spend delving through a myriad of products to come up with the answers on who is qualified, who is available, and where our future shortfalls will be.

The Air Force is interested in exploring innovative technology domains that may not be covered in the list above, so this topic is intended to also be a call for open ideas and technologies that cover other related areas not currently listed (i.e. the unknown-unknown). This topic is meant for innovative solutions to be adapted in innovative ways to meet DoD stakeholders' needs in a short timeframe and at a low cost.