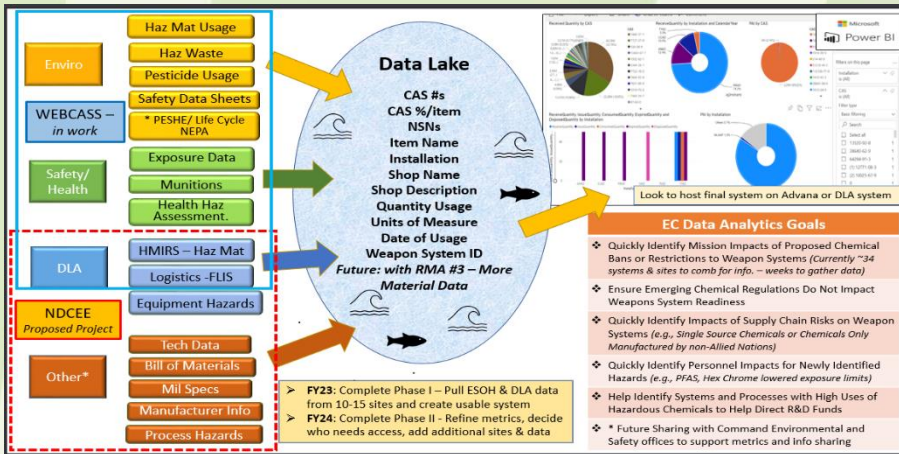


DEFENSE ANALYTICS EMERGING CHEMICAL TOOL (DAEC) PROOF-OF-CONCEPT



PROJECT OVERVIEW

The overall system goal is to assist DoD entities to quickly identify readiness and/or mission risk related to emerging chemical restrictions or bans. System will identify where Emerging Chemicals (ECs) are used in support of weapon systems. Additionally, the system will flag upcoming risks related to EPA and/or OSHA chemical bans or potential manufacturing/logistics supply issues. This is a proof-of-concept project that will use the UH-60 Black Hawk helicopter platform to determine system feasibility and current limitations.

PATH FORWARD

Upon approval of capabilities achieved in Phase I, Plateau (contractor) will expand upon capabilities to allow for effective use to identify all system Haz Mat/EC data requirements for appropriate users. System will be hosted on approved government enclave for all DOD Haz Mat/EC query needs with downloadable data for use in other ESOH and logistics systems

BENEFITS

Predictive tool that will identify mission, readiness, environmental, and safety risks related to ECs, as well as identify known chemicals & chemical locations on weapon systems using technical data, drawings, Fed Log, bills of materials, specification drawings, usage records, and any other relevant unclassified data. The application will assist with identifying supply chain risk, identifying U.S. and foreign potential regulatory risks (EPA, OSHA, REACH), reducing soldier/maintainer health and safety risk by informing DoD Agencies of EC risks as well as help identify data gaps that can improve future collection of DoD decisional data.

DoD Executive Agent

Office of the Assistant Secretary of the Army for Installations, Energy, and Environment

UNCLASSIFIED: Distribution A. Approved for Public Release; distribution Unlimited, per AR 380-5, OPSEC Review conducted per AR 530-1 and approved by USAEC OPSEC.

Revised 10.2023

FOR FURTHER INFORMATION

National Defense Center for Energy and Environment (NDCEE)

<http://www.denix.osd.mil/ndcee/>

U.S. Army Aviation and Missile Command (AMCOM) in coordination with Assistant Secretary of the Arm (Installations, Energy and Environment) (ASA(IE&E))

<https://armyetaas.sharepoint-mil.us/sites/AMCOM>

<https://www.army.mil/asaiee>