



Container Airdrop

Project Summary:

US Army Combat Capabilities Development Command Soldier Center (DEVCOM SC) proposes this effort to develop a system to integrate a 20-foot International Standards Organization (ISO) container with an airdrop platform and enable airdrop of the container from a C-17 using standard low altitude airdrop methods. DEVCOM SC will develop the components, procedures, and processes to secure the container to airdrop equipment, fabricate prototype systems, verify performance through ground evaluation (e.g., Convention for Safe Container (CSC) Certification, Flat and Rotational Drops, Rail Impact, airdrop restraint & suspension tests, crane drops, etc.), and complete airdrop demonstrations.



Container with Parachutes

Benefit:

By enabling airdrop of ISO containers, cost and time is saved by reducing the effort required to change equipment transported via an ISO container and rigging it onto an airdrop platform. It also enables these items to be rapidly delivered to locations unreachable by traditional land, sea, or airland mobility methods, supporting a dispersed but capable joint force. The effort provides increased capability to deliver ISO containers and their contents to the point of need while providing security by obscuring the specifics of the delivered item.

Duration of project: FY24 – FY26

Participants: US Air Force AMC & ATTLA, PM FSS, Partners with potential payloads: USMC, DTRA, 11th Airborne Div, JPL Chem Bio, SOF

Project advocacy (funding or otherwise): DEVCOM - SC