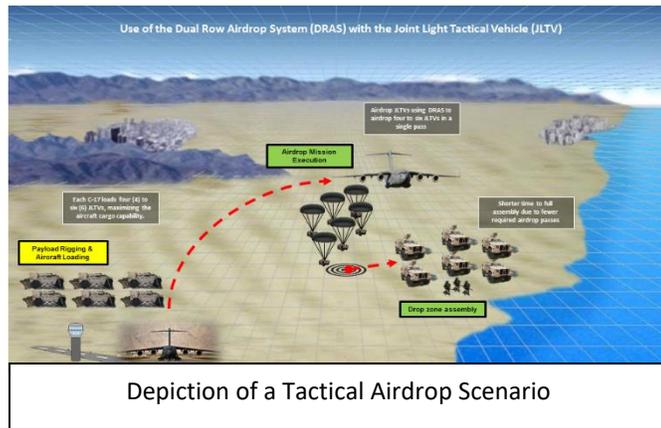




Use of Dual Row Airdrop System for Joint Light Tactical Vehicle

Project Summary: This project will look to increase the capabilities of the Dual Row Airdrop System (DRAS) to include the capability to airdrop the JLTV, which is replacing the current High Mobility Multipurpose Wheeled Vehicle (HMMWV). DRAS utilizes the C-17 logistics rail and lock system to airdrop certain payloads weighing up to 14,500 lbs using an 88-inch wide platform. U.S. Army NSRDEC will work with the U.S. Air Force, the JLTV Joint Program Office (JPO), and other stakeholders to deliver this joint capability.



Benefit: By increasing the DRAS capability to include the JLTV, the DoD can reduce the number of C-17 aircraft necessary to deliver the JLTV during airdrop operations. This effort expects to increase the airdrop capability of the C-17 to deliver JLTVs from two (2), using the 42,000-pound capacity Low Velocity Airdrop System (LVADS), to four (4) (threshold) or six (6) (objective), using DRAS.

Duration of project: FY20 – FY22

Participants: United States Army Natick Soldier Research, Development and Engineering Center (RDECOM)

Project advocacy (funding or otherwise): RDECOM