



AERIAL DELIVERY EQUIPMENT SYSTEMS | ADES

OVERVIEW:

The Aerial Delivery Equipment Systems (ADES) mission is to conduct research and engineering in military parachuting and airdrop systems to: increase aircraft/airborne force survivability; improve airdrop accuracy and functional reliability; reduce personnel injuries/casualties; and lower the cost to develop, produce and maintain these complex systems. ADES supports PM-CIE (Personnel Airdrop) and PM-FSS (Cargo Aerial Delivery) in the development and fielding of aerial delivery systems.

AIRDROP TECHNOLOGY:

The Airdrop Technology Team provides increased mobility and logistic capabilities to the Soldier by identifying and maturing technologies that show promise towards advancing the state-of-the-art in aerial delivery of equipment, supplies and personnel.

JOINT PRECISION AIRDROP SYSTEMS (JPADS):

The objective of the JPADS Advanced Concept Technology Demonstration (ACTD) Team is to integrate the USAF Joint Precision Airdrop Mission Planning (JPADS-MP) hardware/software with the US Army Joint Precision Airdrop System-Light (JPADS-L) airdrop systems (10Klb rigged weight capability). The JPADS-MP provides a mission-planning tool to the Army JPADS-L airdrop system(s) on-board the aircraft. This integrated technology allows for rapid pre-flight JPADS programming and in-flight mission, threat, and terrain/environment changes, allowing for immediate reaction by the user to real world variations. The intent of the JPADS ACTD is to demonstrate and assess systems and technologies that can provide a global delivery system capable of 24-hour fort (CONUS) to the Warfighter delivery capability.

AERIAL DELIVERY & ENGINEERING SUPPORT:

The Aerial Delivery & Engineering Support Team provides technical and engineering services for the development, acquisition, sustainment or use of products and processes that afford aerial delivery of personnel and equipment by parachute, aircraft and helicopter.

- **Airdrop Certification:** Planning, coordinating, conducting and documenting all activities required to certify the acceptability of an item for airdrop.
- **Helicopter Sling Load Certification:** Planning, coordinating, conducting and documenting all activities required to certify the acceptability of an item for helicopter slingloading.
- **Engineering Support for Army Airdrop Equipment Procurement & Sustainment:** Providing management and technical support to the field, ILSC and Airdrop Lifecycle Coordination Team.

AERIAL DELIVERY DESIGN & FABRICATION:

Fabricates prototype parachutes, harnesses and accessories, make modifications (such as upgrading or repairing existing fielded equipment), and provides quick response production capabilities. The Design and Fabrication Team provides technical support, as required, for airdrop items, Quality Deficiency Reports (QDR) and Engineering Change Proposals (ECP).

POINT OF CONTACT:

Airdrop/Aerial Delivery Liaison

COMM: (508) 233-4495, DSN: 256-4495

EMAIL: nati-amsrd-nsc-ad-b@conus.army.mil



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