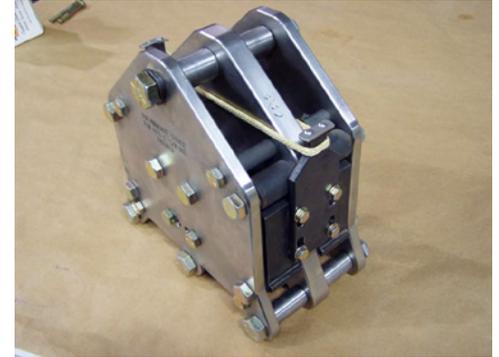




BALLISTIC PRECISION AERIAL DELIVERY SYSTEM (BPADS)

CAPABILITIES:

BPADS was a project designed to convert standard platform extracted airdrop systems into a High Altitude, Low Opening (HALO) parachute system without modifying the load rigging procedures. The system uses standard rigging procedures to attach the payload to the platform and augments the standard equipment by adding minimal COTS components. The result is a prototype system that will convert any airdrop platform load (10,001-42,000 pounds) into a HALO parachute system. The system has been demonstrated between the weights of 10,000-42,000 pounds from altitudes of 5,000 ft AGL-24,999 ft MSL.



BPADS Drogue Sling Release Device

DESCRIPTION:

BPADS uses standard 28 foot extraction parachutes and standard airdrop hardware. The system is extracted by two 28 foot extraction parachutes which transition to drogue parachutes. An activation device cuts a tie, allowing the drogue to pull the main parachutes (G-11A) off the load and transition into the standard airdrop configuration. The additional components are an extra set of suspension slings, the release device, and suspension links with rollers secured to the platform.



FACTS:

- Weight Range: 10,001-42,000 pounds
- Aircraft compatibility: C-130 or C-17
- Completed S&T in 2009, awaiting requirements

POINT OF CONTACT:

**US Army Natick Soldier Research,
Development & Engineering Center
Aerial Delivery Directorate**

COMM: (508) 233-4495

Email: usarmy.natick.rdecom-nsrdec.mbx.nati-amsrd-nsc-ad-b@mail.mil



UNCLASSIFIED