

FDS Assembly:



FDS Cargo Survivability:



The FPCP Team continues to work with operational partners who can benefit from the Freedrop Delivery System (FDS). The FPCP Team is now focusing on assessing and testing chevron material with other to types of aerial delivery systems.

STAKEHOLDERS



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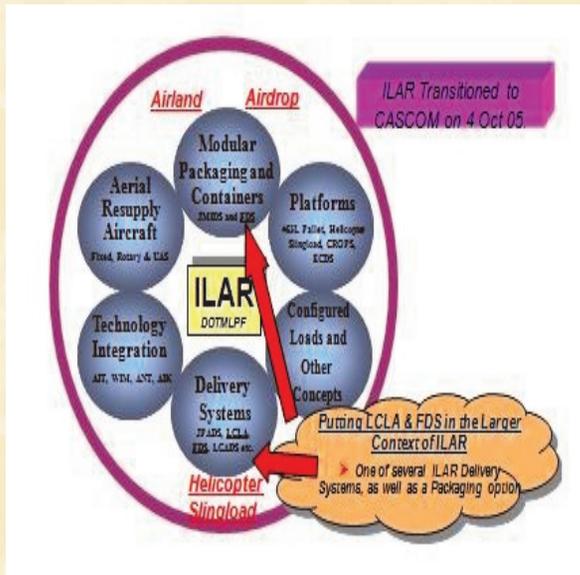
Low-Cost Low-Altitude (LCLA) and Freedrop Packaging Concept Project



US Army LOGISTICS INNOVATION AGENCY

ILAR Goal:

The goal of ILAR is to provide a fully integrated and synchronized aerial resupply capability, which ensures effective and responsive support and services; takes advantage of Joint intermodal enablers; and is transparent to but fully supportive of the operational requirements of our combatant commanders and their forces.



Low Cost Low Altitude (LCLA) has been transitioned by LIA to PM FSS and is now widely used in Afghanistan. Freedrop has always been part of LCLA; the FPCP is an outgrowth of the LCLA effort. The FPCP FDS has now proven to be a viable option for delivering small quantities of supplies to our forces operating in remote hard-to-reach locations.

LCLA

Successes:

- Transitioned to Product Manager for Force Sustainment Systems (PM FSS)
- Moved from concept on paper to a combat capability in just 16 months
- Over 3.5 million pounds of supplies have been delivered in Afghanistan with LCLA since program inception



Benefits:

- Disposable, one-time use parachute systems that cost approximately \$200 per system
- Designed for delivering payloads between 80 and 1,000 lbs at altitudes well below 500 feet AGL (down to 150 feet AGL)
- High degree of accuracy due to its very low-altitude airdrop deployment capability
- Uniquely suited to support Soldiers operating in harsh, hard-to-reach austere locations, such as the mountainous terrain of Afghanistan

FPCP



Concept:

To demonstrate and prove an innovative freedrop concept and system whereby small quantities of supplies can be dropped from an aircraft at a very low altitude and because of the structural attributes or characteristics of the system itself, the supplies land at the desired point in the area of operation with no damage to the supplies and in a condition that facilitates quick and easy recovery and distribution of the supplies to our forces.

Milestones:

- Successfully tested the FDS with a variety of key supplies, to include small arms and .50 cal ammo, selected Class IX repair parts, medical supplies, batteries, MREs and other food items, and bottled water
- Conducted New Equipment Training with several operational units and deployed 40 FDS to units in Afghanistan
- Supporting Atlas Drop 11 Exercise with U.S. Army Africa in Uganda to offer aerial resupply options to the Uganda People's Defense Force