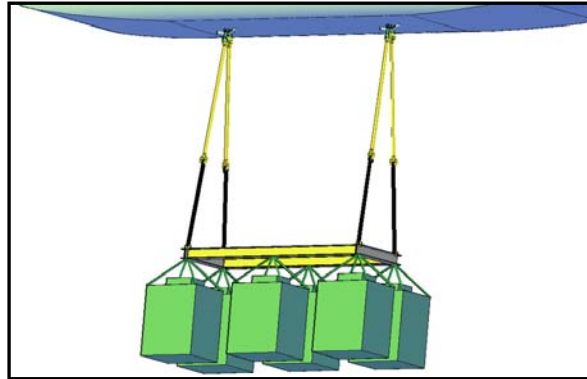




USTRANSCOM Science and Technology

Helicopter Sling Load (HSL) of Joint Precision Air Drop Systems

Project Summary: The objective of the proposed work is to integrate elements from various airdrop programs into a new capability that will allow aerial delivery of payloads from the cargo hook of a helicopter. The new product would be termed Helicopter Sling Load of Joint Precision Airdrop System (HSL JPADS) and incorporate



technologies from the current JPADS, Improved Container Delivery System (ICDS), Low Cost Low Altitude (LCLA) and standard airdrop systems. These technologies include the USAF JPADS Mission Planner (JPADS-MP) and software that is used for high altitude CARP calculations, the HSL sling equipment used by both the Army and the USMC, and the Wireless Gate Release System (WGRS).

Return on Investment: The proposed capability will allow for faster distribution, more flexibility and more rapid response times in delivering equipment to the units in the field.

Duration of project: FY11-12

Participants: USTRANSCOM TCJ5/4, US Army NSRDEC and AMRDEC.

Project advocacy (funding or otherwise): USTRANSCOM, US Army

Transition: NSRDEC and PM-FSS will establish a Technology Transition Agreement, which will provide guidance for S&T work and a pathway for transition to a PM program of record (JPADS). PM-FSS has planned for a program that will dovetail with the completion of this USTRANSCOM proposal and requirements definition and approvals from the user proponent.

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