



USTRANSCOM Science and Technology

AT160 Hummingbird Cargo Sling Load Testing/Demo

Project Summary: This initiative evaluates the potential for an unmanned aircraft system (UAS) to carry and deliver cargo externally to reduce ground convoy requirements. This testing and demonstration program will evaluate issues associated with performance while carrying sling loads, terminal control requirements and capabilities, and system concepts of operation (CONOPS).



Return on Investment: The demonstration and testing of the A160T will further contribute to understanding cargo UAS capabilities, specifically sling load applications and feasibility for use in the distribution of cargo at built-up and remote locations. Cargo UAS resupply needs extend beyond any specific Service and requires joint RDT&E funding to ensure a coordinated approach to meet the need of all warfighters.

Duration of project: FY09

Participants: United States Transportation Command (USTRANSCOM), Joint Forces Command (JFCOM), Special Operations Command (SOCOM), and the United States Marine Corps (USMC)

Project advocacy (funding or otherwise): USTRANSCOM, USMC, JFCOM, SOCOM

Transition: Currently, information gained from this effort will be used towards the USMC RFP and demonstration and subsequent development by NAVAIR. The technology to be tested and demonstrated requires further development prior to development; the USMC is currently planning subsequent programmatic activities.

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