



USTRANSCOM Science and Technology

Wireless Gate Release System (WGRS)

Project Summary: This project will develop a wireless gate release system (WGRS) that is fully integrated with the Joint Precision Airdrop System-Mission Planner (JPADS-MP) to allow 2,400 lb. JPADS/CDS payloads to be deployed from USAF C-130 and C-17 aircraft with a pre-planned time delay. Eliminating current manual gate cut methods, WGRS will double the volume capacity of JPADS/CDS systems for each aircraft. A final report will be provided at conclusion of this effort, along with one complete WGRS (16 units) system and recommendation to include in JPADS rapid fielding initiatives, and/or formal JPADS program(s) of record (PORs).



Return on Investment: 16 WGRS's for use on C-130 testing, final report with all documentation, flight test results, videos and recommendations to include in RFIs for JPADS and/or JPADS PORs.

Duration of project: USA and USAF will determine utility of WGRS capability and determine the program of record most suitable (USA (FY07 start) and/or USAF (FY08 start)).

Participants: United States Transportation Command (USTRANSCOM)/Air Mobility Command

Project advocacy (funding or otherwise): USTRANSCOM/AMC

Transition: TBD upon completion of test and evaluation

USTRANSCOM POC office code: TCJ5-AS/618-229-1109