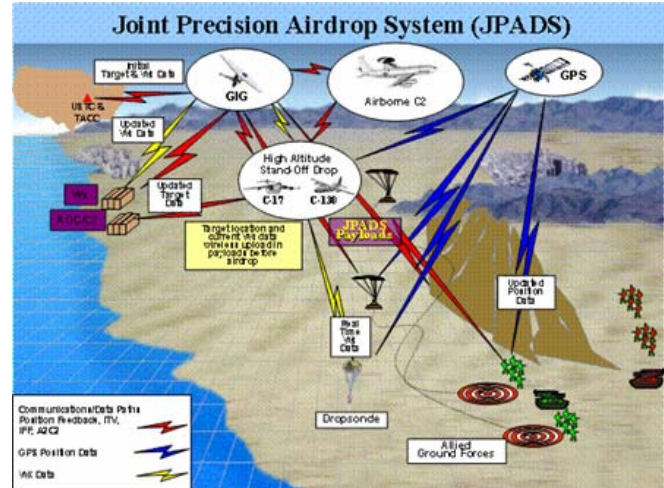




USTRANSCOM Science and Technology

Joint Precision Airdrop System (JPADS)

Project Summary: JPADS Advanced Concept Technology Demonstration (ACTD) links the Air Force Precision Aerial Delivery System Mission Planner (PADS-MP) with the 200-2200lb "Extra Light (XL)" Class Joint Precision Air Drop System Air Vehicles (JPADS-XL). PADS-MP Provides High Altitude Airdrop Capability by Determining an Optimum Airdrop Release Point Based on Meteorological Models and Forecasts. JPADS-XL Systems are



Autonomously Controlled Global Positioning System (GPS) Precision Airdrop Systems.

Return on Investment: Lowers cost of Army / Air Force development programs' testing and procurement. Provides capability to fly high and offset from Surface-to-Air Fire during airdrop. Reduces risks of ground supply vehicle susceptibility to Improvised Explosive Devices, and Special Operations Forces (SOF) & insurgent attacks. Reduces risk of lost airdropped payloads. Has the potential to provide In-Transit Visibility (ITV) of cargo and accurate in-theater weather to Joint Air Force and Army Weather Information Network (JAAWIN).

Duration of project: Completed in FY06.

Participants: United States (US) Transportation Command (USTRANSCOM), US Southern Command, US Joint Forces Command (USJFCOM), XVIII Airborne Corps

Project advocacy (funding or otherwise): Office of the Secretary of Defense (OSD), USTRANSCOM, Air Mobility Command, United States Air Force, US Army, US Marine Corps

Transition: Will transition to JPADS program of record.

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