



DEFENSE ADVANCED RESEARCH PROJECTS AGENCY
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ARLINGTON, VA 22203-1714

13 March 2008

From: Defense Advanced Research Projects Agency
To: FAA, John Page
Subject: Request for Certificate of Authorization (COA) for Cloud Dancer Powered Parafoil UAS Flight Testing at the Robotek Airport, Texas

References: (a) FAA Order 7210.3, Facility Operation and Administration
(b) FAA Order 7610.4, Special Military Operations
(c) MIL-HDBK-516A

The Defense Advanced Research Projects Agency (DARPA) of the Department of Defense has evaluated the Cloud Dancer Powered Parafoil UAS (PP-UAS), using the guidance of MIL-HDBK-516A, and has found it to be airworthy within the usage limitations identified in this application for Certificate of Authorization, and safe to operate in the National Airspace System within the flight zone outlined in this application.

In accordance with the guidance of MIL-HDBK-516A, the described Cloud Dancer PP-UAS systems will satisfy the Safety-of-Flight criteria in that they can safely attain, sustain, and terminate flight within prescribed and accepted limits for injury/death to personnel and damage to equipment, property, and environment when operated within the described operating envelope as set forth in this application.

The UAV system components, specifically: control station, data links, flight control system, communications systems/links, and air vehicle, have been extensively reviewed by Government/Contractor teams and have been subject to private Radio Control use over the past year as commercially available products.

(b) (6)

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Dr. Karen H. Wood
Program Manager
DARPA
Strategic Technology Office