



Home of the 1996 Olympic Village

Georgia Institute of Technology

Police Department

Airworthiness Statement

The Hornet Micro UAS is developed by Adaptive Flight, Inc. Fourteen examples of this UAS have been flown for a total of more than 200 flights (average duration approximately 10 minutes) at 10 different locations by 5 different operators. In this time, all incidents occurred during engineering flight testing and did not result in damage to anything other than the aircraft itself. It has been operated up to 700m from the control station. It has been operated up to 30 knots airspeed. It has been operated effectively in 15 knot winds. It is capable of operating both as a typical small surveillance UAV operating at speed above obstacles as well as a hovering camera operating between buildings and obstacles and close to objects of interest. The aircraft builds on the AFI's FCS20 autopilot system, which has been continuously improved since its first flight test in 2004 and UAV flight control and navigation software in continuous development by the Georgia Tech UAV Research Facility and now AFI since 2001. The small size (2.2 pounds) and electric propulsion result in aircraft that is both safe and quiet.

No difficulties have been observed that would indicate any safety concerns for flying on the Georgia Tech campus in accordance with specified procedures.

Georgia Tech personnel have reviewed the provided UAS information and the proposed utilization on the Georgia Tech campus and state that the vehicle is airworthy and safe for flight.

Andrew A. Altizer, Emergency Preparedness Director

8-31-09

Date

Police Department

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