



Physical Science Laboratory

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**NMSU/PSL/TAAC Airworthiness Statement
Adaptive Flight Hornet Maxi Unmanned Aircraft System (UAS)
August 16, 2012**

Determination: New Mexico State University (NMSU), Physical Science Laboratory (PSL), Technical Applications and Analysis Center (TAAC) has determined the Adaptive Flight Hornet Maxi UAS is airworthy (i.e., conforms to type design and is in condition for safe operation).

Background: NMSU/PSL/TAAC's determination of the Adaptive Flight Hornet Maxi UAS airworthiness, using the Flight Test Center procedures and NMSU pilot training and testing of the UAS, is based on a thorough analysis of the UAS including all systems, subsystems, and elements of the UAS. The airborne, communications, ground, procedures, and personnel requirements have all been analyzed and validated.

Limitations: Flight tests, operations, and demonstrations of the UAS will be conducted in accordance with (1) special provisions in the FAA COA, and (2) NMSU/PSL/TAAC unmanned systems operations and validations program requirements, which include standard operating procedures (SOPs) and platform/mission specific operating limitations and conditions. This UAS will have a maximum altitude of 3000-ft. AGL and remain within one mile horizontally of the pilot/ground station unless specific testing on distance flights has been approved by the Director of the NMSU Flight Test Center and has been coordinated with the FAA Integration Office.

A handwritten signature in blue ink, appearing to read 'Dennis J. Zaklan'.

Dennis J. Zaklan

Unmanned Aircraft Systems Flight

Test Center, Deputy Director

New Mexico State University