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## TAAC UAS Demonstration Airworthiness Analysis Determinations for VTOL UAS

New Mexico State University (NMSU) Physical Science Laboratory (PSL), has determined that the following small Vertical Take-Off and Landing (VTOL) Unmanned Aircraft Systems (UAS) are airworthy for the operations described in the Certificate of Authorization/Waiver (CoA) application for the Technical Applications and Analysis Center (TAAC) UAS conference technology demonstration. The demonstration of these small UAS at the TAAC conference is to provide a better understanding of small UAS to many government, industry, and other attendees who have not viewed an actual small UAS flight. The proposed operations effectively mitigate risks by ensuring that the UAS demonstrations will be conducted at low flight levels (under 400' AGL), within  $\frac{1}{4}$  mile of the launch point in an environment over open tribal lands so as not to create a hazard to persons or property on the surface or in the air. The airworthy determinations are based on analysis of the UAS in accordance with established polices and guidelines established by NMSU/PSL and have found that the following UAS to be airworthy for the intended operations described in the COA application:

Aeryon Scout  
AirRobot AR 100B

Draganflyer X6  
Honeywell T-Hawk

A handwritten signature in black ink, appearing to read 'Stephen B. Hottman'.

Stephen B. Hottman  
Associate Dean for R&D and  
UAS TAAC Director