

AeroVironment, Inc.  
Application to Renew WI2XVI

**STATEMENT ACCOMPANYING REQUEST to RENEW EXPERIMENTAL  
AUTHORIZATION WI2XVI**

AeroVironment, Inc. respectfully requests that WI2XVI be renewed for an additional two year period. There are no changes to the frequency channels to be accessed on an intermittent basis, 1840-1850 MHz, 2362 MHz, 2366 MHz, 2389 MHz and 2390 MHz, to the current technical parameters or the site locations. We will maintain the Emission Designators 4M68G7W and 1M56G7W and the transmit power at 1.5 w. Airborne operations will not exceed 152 meters AGL within a radius of 5 km of the current sites, Hazel Green, Tanner and 2 sites in or nearby to Mooresville, AL.

The tests continue to engage the small unmanned aircraft (SUAS) in beyond line of sight environments encountered by allied governments under U.S. Department of the Army contract W58RGZ-22-C-0021. The tests address uplink command and control and downlink video and telemetry transmission capability and flexibility and encompass updates and changes and improvements to the SUAS radio technology. Mission tests will determine if particular requirements of the allied governments can be fulfilled including aerial reconnaissance, surveillance, route clearance, mapping, and payload delivery. The participation of allied government representatives remains critical to the testing and the aircraft's credibility. There is a training aspect integrated into the tests to convey an understanding of the aircraft, its technology and what the test metrics indicate. The testing is particularly intermittent and short term (several days), involving a very small number of allied government representatives and limited to one allied government per test.