

A. Project Description Narrative

Project testing involves demonstrating the sensitivity of a proof-of-concept, ground-based, short range (< 3 nmi) aircraft and weather detection radar. Real-time aircraft detection algorithms will be developed to integrate this radar into a future project with a separate small unmanned aerial system (sUAS) acting as a meteorological sounding instrument to facilitate safely landing when weather or aircraft hazards are present. UAS control and communications are not part of the current license application.

