

Authority is requested to utilize the Fortem Technologies DAA-R20 to perform a radar performance characterization as applied to airborne collision avoidance for sUAS in support of FAA sponsored development. Under FAA funding through Air Force contract FA8702-15-D-0001, MIT Lincoln Laboratory is testing and prototyping collision avoidance systems for small unmanned aircraft. The radar will be used to detect and track incoming aircraft, both other small unmanned aircraft and any manned aircraft enabling the unmanned aircraft to maneuver and avoid collisions with other aircraft and objects in the vicinity.