

Form 442 Question 4: Government Project Description
MIT Lincoln Laboratory
Experimental License Application
File Number: 1038-EX-CN-2024
Confirmation Number: EL317885

The proposed experiment fulfills requirements for work supported by the Department of the Air Force under Air Force Contract No. FA8702-15-D-0001. The program is developing technology to improve the performance and protection of communication signals.

MIT Lincoln Laboratory is developing a communications capability for the Department of Defense. In order to have a successful transition to the warfighter, the developed technology needs to be tested and evaluated in two-way air-to-air and air-to-ground flight tests. The tests will involve up to three airplanes and one ground station. The airplanes will fly at altitudes between 5,000 feet and 20,000 feet in the specified mobile area of operations and the ground station will be located within the area. The specified frequencies in Ka-band will be used to test the communication links between the airplanes and the ground station. All flight operations will be conducted using procedures and equipment that meet or exceed all FAA requirements.