

PUBLIC INTEREST STATEMENT

1. Introduction

By the instant application, BAE Systems Unmanned Aircraft Programs Inc. (“BAE Systems”) requests that the Commission grant to BAE Systems a 2 year experimental license to operate the facilities (the “Facilities”) specified in the instant application.

2. Purpose and Nature of the Operation

As the Commission is well aware, BAE Systems manufactures and tests antennas as well as RF systems for DOD as well as other governmental customers. This unit’s lines of business generally include development and production of small unmanned aircraft and associated ground control station equipment in support of military operations and homeland defense. The testing to be conducted pursuant to this application involves the continued development verification and production acceptance of radio link equipment used in the unmanned aircraft systems employed in direct support of military branches for C4ISR applications.

The test is in support of the following government contracts:

US Naval Air Warfare Center - Aircraft Division
Contract Number: N68335-08-C-0474
Contract POC:
Highway 547 - Bldg 562-3
Lakehurst NJ 08733-5082
Attn: Contracting Officer, Karen Sacco (732-323-2772)

US Army RDECOM
Contract Number: W15P7T-09-C-S007
Contract POC:
CERDEC 12WD Building 600 AMSRD-CER-IW-10
Fort Monmouth NJ 07703
Attn: Contracting Officer, Girgio Bertoli (732-427-5760)

US Air Force – DET 1 AF Research Laboratory
Contract Number: FA8650-09-C-7939
Contract POC:
2310 Eighth Street, Building 167
Wright-Patterson AFB, OH 45433-7801
Attn: Contracting Officer, Dawn Ross (937-656-9077)

3. **Transmitting Equipment**

Manufacturer	Model	Quantity	Experimental?
Microhard	MHX320	5	NO
Microhard	MHX920	5	NO
DTC	VMS5000	5	NO
DTC	VML2000	5	NO
DTC	PDII	5	NO

4. **Mitigation of Interference/Stop Buzzer.**

A. **Mitigation of Interference**

Authority is requested for only limited and sporadic operation of the facilities during the authorized timeframe. Specifically, operation of the facilities will occur only from 7:00 am – 5:00 pm local time. The majority of operations of the facilities will be conducted inside the laboratory. In addition, during those hours, operation will be sporadic, not continuous. In fact, there may be extended periods of non-operation during the authorized period, while other non-RF transmission aspects of the experiment are conducted.

BAE Systems understands that FAA (or other stakeholders) may require certain limited azimuth and/or elevation blanking in order to ensure that the proposed facilities do not pose a threat of interference to adjacent emitters. Accordingly, this is to confirm that the subject system does have such blanking capabilities and that BAE Systems stands ready to work with FAA to identify any reasonably necessary azimuth and/or elevation restrictions for the system.

B. **Stop Buzzer**

BAE Systems advises that Christopher Troudt will be available by wireless telephone at 520-240-2974 and will act as a “stop buzzer” if any issues regarding interference arise during testing.

For the foregoing reasons, BAE Systems respectfully submits that approval of this application is in the public interest, convenience and necessity.