

From: JOHN LOGAN

To: Nimesh Sangani
Date: August 03, 2020

Subject: Additional Information Request

Message:

Response to Commission July 29, 2020 Inquiry
File Number 0641-EX-CN-2020
Correspondence Reference Number 56510

On behalf of AeroVironment (AV), this note responds to the Commission's July 29, 2020 Inquiry, File Number 0641-EX-CN-2020, Reference Number 6510. A response is provided below each inquiry:

1) Provide the Govt. contract number, Contracting agency name, Contract Govt. POC name, Contract Govt. POC phone number.

There is no contract or agreement with the government to conduct these experiments on its behalf. It was an error to state such.

The proposed tests relate to AeroVironment's work manufacturing and supplying unmanned aircraft (UAS) and related services to the Department of the Army. The work is in the preliminary stage. The proposed tests support AV's development of improved performance specifications to support the Army's Short-Range Reconnaissance Program. The path to an agreement is demonstrating elements to enhance UAS surveillance and reconnaissance functions.

Form 442 has been amended to delete reference to a government contract.

2) Antenna Location # 2 in the form 442 says "Airborne UAS Operations, 8km center 152.4 AGL"; What's the unit for AGL?

The unit of measure is meters; Location 2 should read:

Location 2, N 42° 41' 44" W 71° 33' 06" Pepperell Airport, Pepperell, Middlesex County, MA, near 165 Nashua Road, airborne UAS operations, 8 km of center, 152.4 meters AGL.

Form 442 has been amended to indicate the meter unit of measure.

3) Describe all the location requests in your exhibit.

AeroVironment proposes the following locations:

Location # 1- Mobile ground-based locations within 8 km of center, N 42° 41' 44" W 71° 33' 06", Pepperell Airport, Pepperell, Middlesex County, MA, near 165 Nashua Road.

Location #2- Airborne UAS operations, 8 km center 152.4 meters AGL, N 42° 41' 44" W 71° 33' 06" Pepperell Airport, Pepperell, Middlesex County, MA, near 165 Nashua Road.

Location #3- Mobile ground-based locations within 8 km of center, N 42° 38' 25" W 70° 49' 34", South Hamilton, Essex County, MA, near 317 Sagamore Street.

Location # 4- Airborne UAS operations, 8 km of center, 152.4 meters AGL, N 42° 38' 25"; W 70° 49' 34";, South Hamilton, Essex County, MA, near 317 Sagamore Street.

Location # 5- Laboratory Operations, N 42° 32' 21"; W 71° 09' 23";, 201 Lowell Street, Wilmington, Middlesex County, MA

Location # 6- Laboratory Operations, N 42° 28' 40"; W 71° 11' 36";, 114 South Bedford Street, Burlington, Middlesex County, MA

4) In your form 442, for antenna location # 5 and # 6, you have requested Mobile locations but in the description, you have mentioned "Laboratory Tests". Which one is it? Radius of operation (km) information is also missing if it truly is Mobile.

Location 4 and 5 are proposed as laboratory tests. The UAS's small size and weight allows it to hover in place in the lab environment; there is no operational radius or altitude, designating the site as mobile was an error.

Form 442 has been amended to delete "Mobile."

Thank you for your and the Commission's consideration of this experimental license application. Please call upon us with any questions.