

**REQUEST FOR SPECIAL TEMPORARY SPECIAL AUTHORITY  
REQUEST FOR EXPEDITED PROCESSING  
PURPOSE OF OPERATIONS**

**Request for Expedited Processing**

The Louisiana State Police (LSP) requests expedited consideration of a Special Temporary Authority (STA) application for the period commencing no later than February 1, 2025 to March 25, 2025. The STA will support surveillance and awareness operations of an unmanned aircraft system (UAS), PUMA LE, manufactured by AeroVironment, Inc.

These operations include the National Football League Superbowl in New Orleans and Madri Gras activities. The STA is critical to effective preparedness to decrease vulnerability to citizens and critical infrastructure and to assist in emergency response actions across state, federal and local emergency service agencies.

Flowing from the January 1, 2025 incident in New Orleans, enhanced security measures, including UAS operations, are being expanded. LSP respectfully requests the Commission's review, consider and grant as soon as possible authority to permit UAS operations as soon as possible.

**The Louisiana State Police (LSP) and Louisiana's Governor's Office of Homeland Security and Emergency Preparedness (GOHSEP)**

LSP is the state police agency of Louisiana, with plenary jurisdiction throughout the State. It encompasses Nine Troops across Louisiana, with headquarters in Baton Rouge and specialized units supporting criminal investigation, emergency preparedness and response, and other responsibilities associated with LSP's mission. GOHSEP provides leadership and support during critical events while enhancing daily law enforcement and response efforts.

LSP and GOHSEP assist local law enforcement and emergency response and coordinate closely with federal and local government agencies.

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**Request for Authority to Access**

To carry out the purposes summarized above, LSP requests authorization to access the following frequencies at both ground and airborne locations:

- 1627 MHz - 1637 MHz
- 1785 MHz- 1795 MHz
- 1837 MHz -1847 MHz

The 3 segments proposed are for purposes of ensuring redundant and diverse radio spectrum resources to support operations.

## Purpose and Nature of Operations

The proposed channels will be engaged to send command and control data to and from the UAS and to transmit NTSC video and telemetry to the ground control station. UAS operations will center on surveillance of critical infrastructure and awareness of activity indicating potential illegal or improper conduct threatening the public's well-being. The operations will enable LSP and its federal and local law enforcement partners to maintain readiness as to circumstance the surveillance presents and to assist any response.

Transmission control will be from a ground control station via a laptop, tablet or consul.

Operations will be limited to a maximum 400 feet (121.9 meters above the ground (AGL))

## Site Locations

Mobile ground operations will be located in at the following locations:

- 1400 West Irene Road, Zachary, East Baton Rouge Parish, Louisiana 70791,  
N 30° 35' 52" W 91° 15' 47"

UAS line of sight flight operations will be centered at the same location. Flights will not exceed 121.9 m AGL. Operations will be within 1.km of the center- point.

- 2400 Canal Street, New Orleans, Orleans Parish Louisiana 70130  
N 29° 57' 47" W 90° 5' 5"

UAS line of sight flight operations will be centered at the same location. Flights will not exceed 121.9 m AGL. Operations will be within 1 km of the center- point.

- 600 Decatur Street, New Orleans, Orleans Parish, Louisiana 70130  
N 29 ° 57' 16" W 90° 03' 4

UAS line of sight flight operations will be centered at the same location. Flights will not exceed 121.9 m AGL. Operations will be within 1.5 km of the center- point.

- 900 Convention Center Boulevard, New Orleans, Orleans Parish, Louisiana 70130  
N 29° 56' 35" W 90° 03' 49"

UAS line of sight flight operations will be centered at the same location. Flights will not exceed 121.9 m AGL. Operations will be within 2 km of the center- point.

## Transmitting and Receiver Equipment

Manufacturer	Model	Quantity	Experimental
AeroVironment	PN 139883	1	No
AeroVironment	PN 139885	1	No

## **Antenna**

A separate attachment addresses each antenna.

## **Restrictions on Operations and Interference Protection**

LSP understands that operations must not cause harmful interference to authorized facilities. LSP commits to operations respecting other users of the bands and those in adjacent segments. Should any interference occur, LSP will take immediate steps to resolve the interference.

## **Waiver of Station Identification Requirements**

L S P requests a waiver of the station identification requirements stated in Section 5.115 of the Commission's rules.

## **Stop Buzzer**

Sergeant Scot Greig, LSP, is available by mobile telephone or text, 504.428.4209 or electronic mail at Scot.Greig@LA.gov and will act as a stop buzzer if any matters involving interference arise during the testing.

## **Diagram and Area of Operations**

A diagram of the proposed operations follows.

## **Conclusion**

LSP values the review and consideration of the Commission, the National Telecommunications and Information Administration, the Departments of Defense and Homeland Security, and other coordinating agencies.

Thank you. Please call upon us with any questions.

## Line Diagram

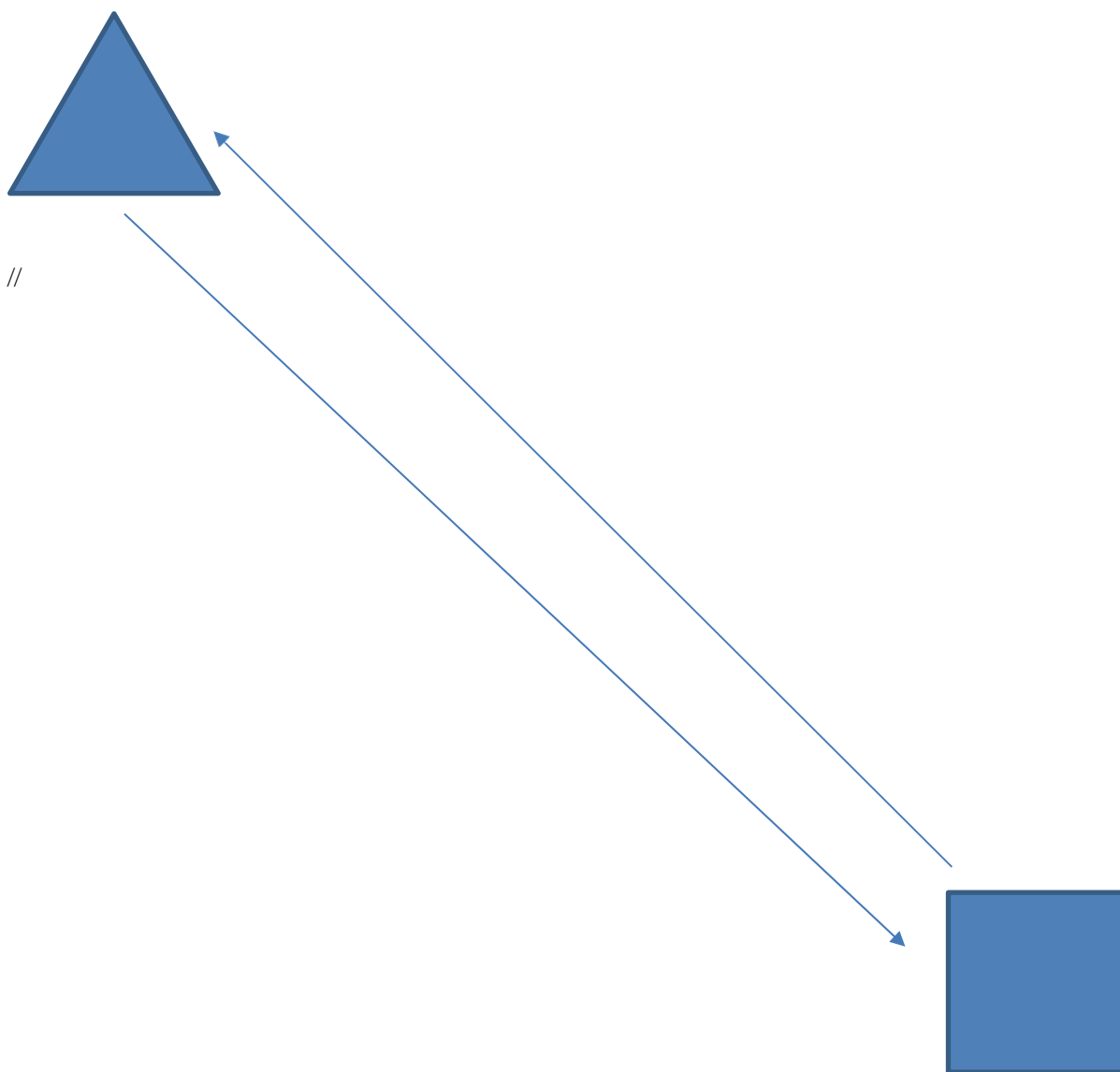
**Aircraft Transmit-Receive**

**Radius of Operations: 1-2 km**

1627 MHz- 1637 MHz

1785 MHz-1795 MHz

1837 MHz -1847 MHz



**Ground Controls Stations- Transmit Receive:**

**1400 West Irene Road, Zachary, East Baton Rouge Parish, LA**

**2400 Canal Street, New Orleans, Orleans Parish, LA**

**600 Decatur Street, New Orleans, Orleans Parish, LA**

**900 Convention Center Boulevard, New Orleans, Orleans Parish, LA**

## ANTENNA

The RF Unit and its integrated antennas is normally installed adjacent to the Ground Control Station (GCS) but can be remotely mounted up to 30m away from the GCS, by optional cable extension, or worn on the operator. Two downlink antennas are employable, a directional patch antenna for maximum range and an omni-directional antenna, providing maximum ease of use.

The air vehicle employs an Omni-directional receiving and transmitting antenna embedded in the fuselage structure as well as an unobstructed GNSS patch antenna that points skyward.

Air Vehicle: 1 Watt (+30dBm) // 2dBi  
RF Unit Patch Antenna: 4 watt (+36dBm) // 7dBi  
RF Unit Omni: 2 watt (+33dBm) // 3.5dBi



**GCS Antennas: (L) Directional,  
(R) Omni-Directional**