



CITY OF LONG BEACH

POLICE DEPARTMENT

400 WEST BROADWAY LONG BEACH CALIFORNIA 90802

Robert G. Luna
Chief of Police

August 23, 2019

Robert Gegen
Air Traffic Control Specialist
Unmanned Aerial Systems
Contract Support (NISCIII)
AJV-W23 Tactical Operations
2200 S. 216th Street
Des Moines, WA 98198

Dear Mr. Gegen,

This letter is to address Long Beach Police Department's UAS COA Case for the Airworthiness Certificate of the DJI Matrice M100 Unmanned Aircraft System (UAS) and DJI Phantom 4 Professional Unmanned Aircraft System.

The Airworthiness of the DJI Matrice M100 UAS and DJI Phantom 4 Professional UAS have been determined to be airworthy based on the testing data and evaluation data provided by DJI. The UASs are serviceable and airworthy for the intended use as advertised by DJI subject to the warranties and representations offered by DJI. DJI has advised that the testing and evaluation of the above UASs were conducted in compliance with airworthiness certification criteria established by DJI.

The Long Beach Police Department will maintain a continued Airworthiness program that includes maintenance and training of the UAS and will be maintained in an airworthy condition to conduct flights in the National Airspace System.

The point of contact for Long Beach Police Department is: Sergeant Jonathan Cole, PD-UAS@longbeach.gov, (562)570-7260.

Sergeant Jonathan Cole #6169
Long Beach Police Department
400 W. Broadway
Long Beach, CA 90802
(562) 570-7260
PD-UAS@LongBeach.gov

The following warnings and limitations for the {Name of UAS(s)} include;

Flight Environment Requirements

1. Do not use the aircraft in severe weather conditions. These include wind speed exceeding 10m/s, snow, rain, icing and smog.
2. Only fly in open areas. Tall buildings and steel structures may affect the accuracy of the on-board compass and GPS signal.
3. Avoid from obstacles, crowds, high voltage power lines, trees or bodies of water.
4. Minimize electromagnetic interference by not flying in area with high levels of electromagnetism, including mobile phone base stations or radio transmission towers.
5. Aircraft and battery performance is subject to environment factor such as air density and temperature. (Be very careful when flying 14700 feet (4500 meters) or more above sea level as battery and aircraft performance may be reduced).
6. The {Name of the UAS} cannot operate within the polar areas in "P" mode.

Flight Limits and Flight Restriction Area

No Inverted Flight.

No Instrument Flight Rule (IFR) Conditions.

Flight limits on height and distance can be set and will not exceed the approved provisions provided by the FAA.

For safety reasons, the flight limits function is enabled by default to help users use this product safely and legally. The flight limits function includes height limits, distance limits and No Fly Zones.

When operating in P Mode, height, distance limits and No Fly Zones work together to manage flight. In A mode only height limits work and flights cannot go higher than 120 meters.