

Motion Picture & Television **Flight Operation Manual**



OSPREY PERSPECTIVES — PHOTO & VIDEO —

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1. Introduction

A. Purpose

This manual has been developed by "Osprey Perspectives LLC", hereafter referred to as "OP", in conjunction with the provisions of FAA Part 107 for the purpose of commercial UAS operation for motion pictures. OP pilots and other company personnel, when applicable, will comply with the policies, procedures, and conditions of this manual, whenever motion picture or television flight operations are performed that require a Waiver of Authorization as mentioned above.

B. Pilot/Operator Organization

Michael DeMarco - Pilot
Osprey Perspectives LLC

Point Pleasant New Jersey 08742
Michael DeMarco - Co-Owner

Ryan Baine - Camera Operator/VO
Osprey Perspectives LLC

Point Pleasant New Jersey 08742
Ryan Baine - Co-Owner

C. Persons Authorized

FAA Part 107 is applicable only with respect to those persons, vehicles and structures directly involved in the performance of the actual filming. The certificate holder shall ensure that no persons are allowed within 500 feet of the area except those consenting to be involved and necessary for the filming production. This provision may be reduced to no less than 200 feet if an equivalent level of safety can be achieved. For example, an equivalent level of safety may be determined by an RPIC's evaluation of the filming production area to note terrain features, obstructions, buildings, etc. Such barriers may protect nonparticipating persons in the event of an incident.

D. Area of Operations

Class G airspace throughout the United States

E. Plan of Activities

- (1) Dates and times for all flights.
- (2) Name and phone number of person responsible for the filming production event.
- (3) Name and phone number of person responsible for aircraft.
- (4) Make, model, and serial or N-number of aircraft to be used.
- (5) Name and certificate number of pilots involved in the filming production event, including any notation of external load endorsements or aerobatic

competency, if required.

(6) A description of the flight activity which may include maps or diagrams of any area, city, town, county, and/or state over which filming will be conducted and the minimum altitudes essential to accomplish the operations.

F. Security

Prior to any flight operation the operator will coordinate with appropriate production personnel to devise a plan of securing the area(s) of operation from all unauthorized persons and vehicles. Provisions will be made to immediately discontinue operations should the area(s) become unsecured or for any other reason in the interest of safety.

G. Briefing of Pilot/Production Personnel

Prior to the start of any operation under the provisions of this manual, the pilot in command will conduct a briefing of all procedures to participating personnel of the risks involved, emergency procedures, and safeguards to be followed during the filming production event. Personnel will also be briefed on additional provisions that may be issued. The briefing shall cover:

- Operations manual
- Plan of activities
- Aircraft operation
- Radio Communications
- Takeoff and landing procedures
- Aviation activities to be conducted during the filming production event
- Recall procedures
- Emergency procedures
- Risks to participating personnel
- How to control nonparticipating persons

H. Certification/Airworthiness

All OP aircrafts used in operations will be properly serviced for airworthiness and hold FAA SUAS Certificates of Registration. Each aircraft will have a flight log which contains records of all previous flights, battery usage, and telemetry from prior use. The pilot in command will assure the aircraft to be flown is in airworthy condition and all required inspections and maintenance have been completed before each flight.

I. Pilot Personnel/Minimum Requirements

The pilot/operator shall establish and specify the minimum crew requirements. Minimum requirements shall meet or exceed the following:

- (1) A current U.S. FAA commercial UAS remote pilot license.
- (2) At least 60 hours logged annually on the aircraft used in operation.

- (3) A minimum of 100 hours in the category and class of aircraft to be used.
- (4) At a minimum should do a daytime scout of proposed operation area with the following procedures:
 - (a) Steps to be taken before starting operations, including a survey of the flight area.
 - (b) Proper method of loading, rigging, or attaching the external load.
 - (c) Aircraft performance capabilities under motion picture operating procedures and the aircraft flight manual.
 - (d) Proper instructions for flight and ground crew personnel.

J. Communications

Prior to the start of any operation covered by this manual, the pilot in command will formulate a plan to provide communications capability to all participants during the actual operation and filming. Oral, visual and radio communications may be used as long as it is effective and is capable of keeping the participants continuously apprised of the current status of the operation.

K. Accident Notification

Should an accident or incident requiring notification of the authorities occur, the notification requirements of FAA Part 107 would comply.

L. Recall/Stop Procedures

Radio communication, oral, visual or a combination will be utilized to keep the participants continuously apprised of the current status of operation.

M. Special Provisions

The controls, procedures, and conditions set forth in the OP motion picture and television operations manual is the primary assurance that persons on the surface will not be jeopardized.

The aircraft and pilots used under this authorization and/or waiver will only be those specified in the OP motion picture and television operations manual or associated plan of activities. All civil aircraft and pilot(s) participating in the activity shall be available for FAA inspection before the scheduled event. Each pilot-in-command conducting operations authorized under this certificate understands the conditions of issuance, and that it abides by current FAA UAS operations under Part 107 authorization.

Rotorcraft takeoff and landing areas will be protected in a manner that will prevent unauthorized persons from entering the takeoff and landing area. OP will ensure that the participating persons involved in the operations are thoroughly briefed on special procedures, communication, emergency procedures, and on the provisions of the authorization and/or waiver before beginning the activities. No person may participate in any event unless that person has received a briefing on the provisions of our operations.

2. Company Organization

A. Chief Pilot

Duties and Responsibilities:

- Final word in the formulation of policy and procedures concerning this manual.
- Act as liaison between OP and the FAA on matter concerning this manual.
- Assure that each approved pilot is issued a copy of this manual and abides by the protocol contained within.
 - Maintain a current copy of this manual at the main base of operations for OP.
- Responsible for assuring that all revisions to this manual are distributed and processed properly.
- Must approve or disapprove each proposed job or operation performed by OP under the provisions of this manual.
- Assume the responsibilities of pilot in command when acting as such.
- The chief pilot may delegate functions to other personnel but retains responsibility.

B. Pilot in Command

Duties and Responsibilities:

- Assure that aircraft to be flown is in airworthy condition and all inspections and required maintenance have been performed as per appropriate directives.
- Acquire permission from the chief pilot before any operation under the provisions of this manual.
- Be very knowledgeable of the contents of this manual and abide by the procedures, policies and conditions contained herein.
- Coordinate with movie and television personnel to formulate plans, routes, locations, etc. with safety of all persons involved in the primary concern.
- The pilot in command may delegate functions to other personnel, but retains responsibility.



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