


DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

CERTIFICATE OF WAIVER OR AUTHORIZATION

ISSUED TO Principia Inc.	POC PHONE NUMBER 917-841-2362
174 W Montrose Ave South Orange, NJ 07079	
This certificate is issued for the operations specifically described hereinafter. No person shall conduct any operation pursuant to the authority of this certificate except in accordance with the standard and special provisions contained in this certificate, and such other requirements of the Federal Aviation Regulations not specifically waived by this certificate.	
OPERATIONS AUTHORIZED Unmanned Aircraft Systems operations in accordance with Title 14 CFR Part 107.41, except "Operations for small unmanned aircraft" Part 107.51 b(2) are limited to the altitude listed below. Class of Airspace: B At or Below: 100 feet Above Ground Level (AGL) tethered to remain within operational area With a radius of: 700 feet each location Under the Jurisdiction of: Newark ATCT	
LIST OF WAIVED REGULATIONS BY SECTION AND TITLE N/A	
STANDARD PROVISIONS	
<ol style="list-style-type: none"> 1. A copy of the application made for this certificate shall be attached and become a part hereof. 2. This certificate shall be presented for inspection upon the request of any authorized representative of the Federal Aviation Administration, or of any State or municipal official charged with the duty of enforcing local laws or regulations. 3. The holder of this certificate shall be responsible for the strict observance of the terms and provisions contained herein. 4. This certificate is nontransferable. 	
Note-This certificate constitutes a waiver of those Federal rules or regulations specifically referred to above. It does not constitute a waiver of any State law or local ordinance.	
SPECIAL PROVISIONS	
Special Provisions 1 thru 4, inclusive, are set forth on page 2 of this authorization.	
This certificate 2017-ESA-034-P107 Rev 1 is effective from February 25, 2017 to April 30, 2017, and is subject to cancellation at any time upon notice by the Administrator or his/her authorized representative.	
BY DIRECTION OF THE ADMINISTRATOR	
<u>FAA Headquarters, AJV-115</u> <small>(Region)</small>	 <u>Scott J. Gardner</u> <small>(Signature)</small>
<u>January 24, 2017</u> <small>(Date)</small>	<u>Acting Manager, UAS Tactical Operations Section</u> <small>(Title)</small>

SPECIAL PROVISIONS

1. CONTACT INFORMATION:

George Finlay is the person designated as responsible for the overall safety of UAS operations under this Certificate of Waiver or Authorization. During UAS operations for on-site communication/recall, the Pilot shall be continuously available for direct contact at 917-841-2362 by Newark ATCT or designated representative

2. SCHEDULE OF FLIGHT OPERATIONS:

- a. This Certificate of Waiver or Authorization and the Special Provisions shall be in effect on Saturdays or Sundays only between civil sunrise and completed by 11:00 am local time. Operations must be completed within 3 hours of start unless further approval is received from Newark ATCT.
- b. This airspace authorization does not relieve the remote pilots from the responsibility to check the airspace they are operating in and comply with all restrictions that may be present in accordance with see 14 CFR 107.45 and 107.49 (a)(2), such as restricted and Prohibited Airspace, Temporary Flight Restrictions, etc.

3. COORDINATION PROCEDURES:

- a. Operator must confirm planned date/time for the operation with Newark ATCT at least 48 hours in advance at 973-565-5000.
- b. Operator must contact Newark ATCT Operations Supervisor at 973-643-3484 for tentative approval the morning of the operation, and if approved verify a reliable contact number for the pilot, then call again 10 minutes prior to commencing the operation.
- c. Newark ATCT may cancel or suspend the operation at any time.
- d. Operator must contact Newark ATCT Operations Supervisor immediately upon completion of operations.

4. EMERGENCY/CONTINGENCY PROCEDURES - Lost Link/Lost Communications Procedures:

- a. If the UAS loses communications or loses its GPS signal, the UA must return to a pre-determined location within the operating area and land.
- b. The PIC must abort the flight in the event of unpredicted obstacles or emergencies.

ATTACHMENT 1

Operations Area

Class B Airspace

At or below 100 feet AGL, **(UA must be tethered to remain within operational area)**

Location 1 - within a 700 foot radius of 40°42'28.66"N 74°10'50.92"W

Location 2 – within a 700 foot radius of 40°44'1.63"N 74°7'18.54"W

