

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
**CERTIFICATE OF WAIVER**

ISSUED TO

**Gaetano Antonellis**  
**Responsible Person: Gaetano Antonellis**  
**Waiver Number: 107W-2024-01245**

ADDRESS—

**11 Vanderbilt**  
**Irvine, CA 92618**

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 provisions contained in this certificate.

OPERATIONS AUTHORIZED

Operating Limitations for Small Unmanned Aircraft — Groundspeed.

LIST OF WAIVED REGULATIONS BY SECTION AND TITLE

**14 CFR § 107.51(a)—Operating limitations for small unmanned aircraft - Groundspeed**

**STANDARD PROVISIONS**

1. A copy of the application made for this certificate shall be attached to and become a part hereof.
2. This certificate shall be presented for inspection upon the request of any authorized representative of the Administrator 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 Nos. 1 to 21, inclusive, are set forth on the attached pages.

This Certificate of Waiver is effective from June 3, 2024, to May 31, 2026, and is subject to cancellation at any time upon notice by the Administrator or an authorized representative.

**BY DIRECTION OF THE ADMINISTRATOR**

**Emerging Technologies Division, AFS-700**

**SPECIAL PROVISIONS ISSUED TO****Gaetano Antonellis****General.**

The FAA's Flight Standards Service has reviewed your application to ensure compliance with the requirements of 14 CFR § 107.200 and § 107.205. Pursuant to these authorities, the Administrator finds that the proposed small unmanned aircraft (sUA) operation can be conducted safely under the provisions of this Certificate of Waiver (Waiver) as listed below because you have established adequate mitigations for risks involved with operating your sUA in the manner you described. Adherence to the provisions of this Waiver establishes the required level of safety within the national airspace system.

The Administrator may cancel this Waiver at any time. As a general rule, this Waiver may be canceled when it is no longer required, there is an abuse of its provisions, or when unforeseen safety factors develop. Failure to comply with any provision listed below is a violation of the terms of this Waiver and will serve as justification for cancellation.

List of Regulations Waived by Section and Title. The following regulations are waived:

14 CFR § 107.51(a), Operating limitations for small unmanned aircraft - Groundspeed, is waived to allow sUA operations with a groundspeed in excess of 87 kts (100 mph).

No part of this waiver will function as an airspace authorization under 14 CFR § 107.41. The FAA's Air Traffic Organization responds directly to requests for such authorizations.

**Common Special Provisions.** The Responsible Person is directly responsible for safety of operations conducted under this Waiver and will ensure the Remote Pilot in Command (remote PIC), manipulator of the controls, and visual observer(s) (VO)<sup>1</sup> comply with all provisions of this Waiver.

1. The Responsible Person listed on the Waiver is responsible to the FAA for the safe conduct of the operations. Prior to conducting operations that are the subject of this Waiver, the Responsible Person:
  - a. Must ensure the remote PIC, manipulators of the controls, and VO(s) are informed of the terms and provisions of this Waiver and strictly observe the terms and provisions herein;
  - b. Must ensure the remote PIC, manipulators of the controls, and VO(s) are informed and familiar with part 107 regulations; and
  - c. Evidence of the above (a and b) must be documented and must be presented for inspection upon request from the Administrator or an authorized representative;
2. This Waiver may be combined with waiver 107W-2024-01194. This waiver may not be combined with any other waiver(s), authorizations(s) without specific authorization from the FAA;
3. The FAA has the authority to cancel or delay any or all flight operations if the safety of persons or property on the ground or in the air are in jeopardy or there is a violation of the terms of this Waiver;
4. A copy of this Waiver must be accessible and available to the remote PIC at the ground control station during sUA operations that are the subject of this Waiver;

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<sup>1</sup> Title 14 CFR § 107.3 defines the term "visual observer." Any VO participating in operations conducted under this Waiver must meet the requirements listed in § 107.33 throughout the duration of flight operations.

5. The Responsible Person listed on this Waiver must maintain a current list of pilots by name and remote pilot certificate number used in operations under this Waiver. This list must be presented for inspection upon request from the Administrator or an authorized representative;
6. The Responsible Person listed on this Waiver must maintain a current list of sUA by registration number(s) used in operations under this Waiver. This list must be presented for inspection upon request from the Administrator or an authorized representative;
7. For the purposes of this Waiver, direct participants are the remote PICs, persons manipulating the controls, VOs, and any persons whose involvement is necessary for safety of the sUA operation. All other persons are considered non-participants;

**Operating Limitations for Small Unmanned Aircraft Groundspeed Special Provisions** sUAS operations exceeding 87 knots (100 mph) may be conducted, provided

8. Operations may not be conducted at night or during civil twilight, as defined in 14 CFR § 1.1 and § 107.29(c), respectively;
9. Prior to conducting operations under this Waiver, operational area obstacles and boundaries must be identified and located so as to avoid collision with non-participating persons or damage to property, as described in the waiver application;
10. Prior to sUA operations that are the subject of this Waiver, the sUA loss of C2 procedure must be tested and verified to operate as described in the waiver application;
11. The remote PIC must have available the field monitor, sUA telemetry, speed and altitude information, as described in the waiver application;
12. During operations that are the subject of this waiver, the sUA must be configured and equipped as described in the waiver application;
13. The sUA must be equipped with high visibility markings and/or anti-collision lighting to increase the conspicuity of the sUA to 1 statute mile for daytime operations;
14. During operations that are the subject of this Waiver, the sUA groundspeed must be in compliance with § 107.51(a) during any non-straightline flight, and when returning to the sUA landing location described in the waiver application;

15. Prior to operations that are the subject of this Waiver, a safety meeting of all persons participating in the flight operations must be performed. Meeting participants must include emergency, safety and security personnel and, at a minimum, shall cover the following subjects:
  - a. Roles and responsibilities,
  - b. Perimeter of flight operations area,
  - c. Radio communications,
  - d. Aircraft launch & landing zones,
  - e. Takeoff procedures,
  - f. Approach and landing procedures,
  - g. Flight Termination procedures,
  - h. Risks to consenting personnel,
  - i. Procedures for mitigating risk to consenting personnel,
  - j. Security plan to secure the flight operations from all unauthorized persons and vehicles,
  - k. Controlling nonparticipating persons,
  - l. Potential hazards,
  - m. Contingency procedures,
  - n. Emergency procedures,
  - o. Local governmental limitations or restrictions, if any;
16. As described in the waiver application, flight operation of the sUA must be immediately terminated if non-participating persons, vehicles, or aircraft enter the area established for the purposes of operations that are the subject of this Waiver;
17. Prior to conducting operations under this Waiver, the operational area boundaries must be identified and the area restricted to access. During operations, the flight operations area must be monitored as described in the waiver application;
18. Operations conducted under this Waiver are limited to 150 miles per hour as described in the waiver application;
19. ADS-B out (1090/978 MHz) may not be transmitted from the sUAS when operating pursuant to this Waiver;
20. All emitters used in sUAS must be in compliance with all applicable FCC regulations and all provisions of the FCC authorization granted for the emitter. A FCC experimental authorization may not be used for sUAS operations under this Waiver; and
21. Operations conducted under this waiver are limited to the location described in the waiver application.