

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

ISSUED TO

Argos Unmanned Aerial Solutions, LLC
Responsible Person: Russell Flahive
Waiver Number: 107W-2022-02078

ADDRESS—

56 Evergreen Court
Lititz, PA 17543

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

Operation from a moving land borne vehicle over other than sparsely populated areas. Operation not for transportation of property for compensation or hire; operations under this Waiver are to be conducted in Class G airspace only unless specific airspace authorization or Waiver is received from the FAA in accordance with § 107.41.

LIST OF WAIVED REGULATIONS BY SECTION AND TITLE

14 CFR § 107.25—Operation from a moving vehicle or aircraft

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 23, inclusive, are set forth on the attached pages.

This Certificate of Waiver is effective from January 1, 2023, to December 31, 2025, and is subject to cancellation at any time upon notice by the Administrator or an authorized representative.

BY DIRECTION OF THE ADMINISTRATOR

General Aviation and Commercial Division, AFS-800

SPECIAL PROVISIONS ISSUED TO
Argos Unmanned Aerial Solutions, LLC

General.

This Certificate of Waiver is an amendment which supersedes and replaces Waiver 107W-2022-00211 issued to Argos Unmanned Aerial Solutions, LLC for operations under 14 CFR 107. Waiver 107W-2022-00211 is no longer valid.

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 § 107.25, Operation from a moving vehicle or aircraft, is waived to allow sUA operations from a moving vehicle or aircraft not meeting the requirements of § 107.25.

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)¹ 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 not be combined with any other waiver(s), authorizations(s), or exemption(s) without specific authorization from the FAA;

¹ 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.

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;
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;

Moving Vehicle sUAS Operations Special Provisions sUAS operations may be conducted from a land or water-borne vehicle over other than sparsely populated areas. Operation not for transportation of property for compensation or hire

8. All operations under this Waiver must use one or more VO;
9. Operations may not be conducted at night, as defined in 14 CFR § 1.1;
10. Prior to conducting waived operations, the Responsible Person listed on the Waiver must ensure the remote PIC, VO, and driver have general knowledge of the topography and environment for the planned flight route and have briefed the intended flight to address matters such as vehicle route, speeds, obstacles and weather;
11. The Responsible Person must ensure vehicle/vessel movement does not interfere with the duties and responsibilities of the remote PIC and/or VO;
12. The remote PIC must ensure the area ahead of the small unmanned aircraft is scouted immediately prior to the arrival of the sUA to ensure no hazards are present;
13. The remote PIC, the person operating the moving vehicle, and the VO must be different people and may not serve multiple responsibilities during the operation;
14. Any electronic communication conducted by the driver or remote PIC during waived operations must be by use of a hands-free device;
15. The remote PIC and VO must have an unobstructed field of view from the moving vehicle;
16. The Responsible Person must ensure that the loss of data link procedures account for the dynamic location of the remote PIC. These procedures must include a safe flight termination method or a safe lost link flight path around all obstacles, adverse weather conditions, non-participating aircraft, and persons on the ground, which are encountered during the operation;

17. The Responsible Person must ensure that operational rehearsals are satisfactorily accomplished, as described in the waiver application, prior to conducting waived operations;
18. As described in the waiver application, the manipulator of the sUAS controls must be the holder of a remote pilot certificate with an sUAS rating;
19. Prior to operations under this Waiver, all persons who will act as remote PIC, VOs, and land-based vehicle operator must participate in a safety briefing that addresses at minimum, the following items:
 - a. Designated positions and responsibilities/Crew Resource Management,
 - b. Flight operating area,
 - c. Land vehicle speed,
 - d. Obstacles,
 - e. Intended flight path,
 - f. Designated launch and recovery area,
 - g. Verification of geo-fence boundaries,
 - h. Normal procedures,
 - i. Abnormal procedures,
 - j. Emergency procedures;
20. The remote PIC, the VO(s), and the person operating the moving land-based vehicle must be designated in advance of the commencement of the operation, and may serve only in a single role throughout the operation. For example, the person who operates the landbased vehicle may not simultaneously act as the VO;
21. ADS-B out (1090/978 MHz) may not be transmitted from the sUAS when operating pursuant to this Waiver;
22. 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
23. sUAS operations subject to this Waiver are limited to the location specified in the waiver application.