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

ISSUED TO
SpaceWorksUAVs
Responsible Person: Matt Maclaine
Waiver Number: 107W-2021-02459

ADDRESS –
3980 DeKalb Technology Pkwy Ste 760
Atlanta, GA 30340

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 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; sUAS operations higher than 400 feet above ground level, when not within a 400 foot radius of a structure.

LIST OF WAIVED REGULATIONS BY SECTION AND TITLE
14 CFR §107.25—Operation from a moving vehicle or aircraft, and
14 CFR §107.51(b)—Operating limitations for small unmanned aircraft - Altitude

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

This Certificate of Waiver is effective from November 11, 2021, to November 30, 2023, and is subject to cancellation at any time upon notice by the Administrator or an authorized representative.

BY DIRECTION OF THE ADMINISTRATOR
Vonnie L Giles

Digitally signed by
Vonnie L Giles
Date: 2021.11.10
17:02:01 -06'00'
Tactical Operations Team Manager, AJV–C23
SPECIAL PROVISIONS ISSUED TO
SpaceWorks UAVs

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 § 107.25, 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;

14 CFR § 107.51(b), Operating limitations for small unmanned aircraft - Altitude, is waived to allow sUAS operations higher than 400 feet above ground level (AGL), not to exceed 2000 AGL.

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) 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;

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;

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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.
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;

Operating from a Moving Vehicle and operations while higher than 400 feet AGL - sUA Special Provisions; sUAS operations may be conducted from a vehicle over other than sparsely populated areas, above 400 feet AGL, but not to exceed 2000 feet AGL. Operation must not comprise transportation of property for compensation or hire:

OPERATIONAL PROVISIONS

8. Operations may not be conducted at night, as defined in 14 CFR § 1.1;

9. All operations under this Waiver must use one or more VO as described in the waiver application;

10. sUAS operations may be conducted from the vehicle specified in the waiver application;

11. The remote PIC and VO must have an unobstructed field of view from the moving vehicle;

12. Prior to conducting waivered 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;

13. The Responsible Person must ensure vehicle/vessel movement does not interfere with the duties and responsibilities of the remote PIC and/or VO;

14. The remote PIC must ensure the area is scouted immediately prior to the arrival of the sUA to ensure no hazards are present;

15. 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;

16. The Responsible Person must ensure that the area of operation is sterile as described in the waiver application;

17. 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;
18. Not less than 24 hours prior to conducting operations that are the subject of this Waiver, a Notice to Airmen (NOTAM) must be filed. The NOTAM must include location, altitude, and/or operating area, time and nature of the activity, and number of sUA flying in the operating area;

19. Ensure that military training routes (MTRs) SR200 and VR176 are not active.

TECHNICAL PROVISIONS

20. The Responsible Person listed on this Waiver must ensure the sUA is equipped with high visibility markings and/or lights visible during the daytime from a distance of no less than 3 statute mile.

21. As described in the waiver request, the sUAS ground control station must display in real time the following information: sUA altitude, sUA position, sUA direction of flight, and sUAS flight mode. This information must be available at all times to the remote PIC;

22. Any electronic communication conducted by the driver or remote PIC during waivered operations must be by use of a hands-free device;

23. 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;

24. As described in the waiver application, all vehicles must maintain communication with the Air Traffic Control;

25. Any electronic communications conducted by the remote PIC, VO(s), or the vehicle operator must be through the use of a hands-free full duplex communication device;

26. ADS-B out (1090/978 MHz) may not be transmitted from the sUAS when operating pursuant to this Waiver;

27. 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

ENVIRONMENTAL PROVISIONS

28. UAS operations subject to this Waiver must occur at the locations specified in the waiver application, as follows: Catron County, New Mexico, 34°32’38”N, 108°33’06”W and 34°29’24”N, 108°20’24”W
Operating Area

At or Below: 2000 feet AGL, within .5nm radius of
Primary Drop Point    34°32′38″N, 108°33′06″W
Secondary Drop Point   34°29′24″N, 108°20′24″W