

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

CERTIFICATE OF WAIVER OR AUTHORIZATION

ISSUED TO

Bart Bedsole

POC Phone Number

(719) 499-8184

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 "Operating limitations for small unmanned aircraft" Part 107.51(b)(2) are limited to the altitude listed below.

Class of Airspace: Class C airspace in the vicinity of Colorado Springs Airport (COS)

Altitude(s): As indicated in the Special Provisions

Under the jurisdiction of: Colorado Springs Air Traffic Control Tower (ATCT)

LIST OF WAIVED REGULATIONS BY SECTION AND TITLE

107.41 Operations in certain airspace

STANDARD PROVISIONS

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 through 4 inclusive are set forth on pages 2 through 4 of this Waiver.

This certificate 2016-P107-ATO-00223 is effective from June 14, 2017, to June 13, 2019, inclusive, and is subject to cancellation at any time upon notice by the Administrator or his/her authorized representative.

BY DIRECTION OF THE ADMINISTRATOR

FAA Headquarters, AJV-115

(Region)

M. Randy Willis

Randy Willis

(Signature)

June 7, 2017

(Date)

Manager, Emerging Technologies Team (AJV-115)

(Title)

SPECIAL PROVISIONS

1. CONTACT INFORMATION:

- a. The Responsible Person, Bart Bedsole, is directly responsible for safety of operations conducted under this Waiver and will ensure the remote PIC and VO comply with all provisions of this Waiver.
- b. This Waiver must not be combined with any other waiver(s), authorization(s), or exemption(s) without specific authorization from the FAA.
- c. 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.
- d. The Responsible Person listed on this Waiver must maintain a current list of pilots by name and remote pilot certificate number used in the Waiver holder's operations. This list must be presented for inspection upon request from the Administrator or an authorized representative.
- e. The Responsible Person listed on this Waiver must maintain a current list of small unmanned aircraft (sUA) by registration number(s) used in the Waiver holder's operations. This list must be presented for inspection upon request from the Administrator or an authorized representative.
- f. The Responsible Person shall ensure there is a means for immediate communication with the PIC during UAS operations if ATC deems necessary. During the operation, the Responsible Person shall be continuously available for direct contact at the phone number listed on the first page of this Waiver.

2. SCHEDULE OF FLIGHT OPERATIONS:

- a. This Certificate of Waiver or Authorization and the Special Provisions shall be in effect from June 14, 2017, through June 13, 2019, between sunrise and sunset local time.
- b. This airspace waiver 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 14 CFR §§ 107.45 and 107.49(a)(2), such as restricted and Prohibited Airspace, Temporary Flight Restrictions, etc.

3. OPERATIONS:

- a. ***Provisions for all Operations:***
 - i. COS ATCA may restrict operations (example lower altitudes) as needed to ensure safety of operations.

- ii. COS ATCA may be terminate operations at any time with a call to the cell phone listed in this waiver.

 - b. **Operations Area 1:** Operations within the area shaded in orange depicted in Attachment 1 will be conducted at or below 400' Above Ground Level (AGL).

 - c. **Operations Area 2:** Operations within the area shaded in light blue depicted in Attachment 1 will be conducted at or below 300' AGL.

 - d. **Operations Areas 3A & 3B:** Operations within the area shaded in green depicted in Attachment 1 will be conducted at or below 200' AGL.

 - e. **Operations Area 4:** Operations within the area shaded in purple depicted in Attachment 1 will be conducted at or below 100' AGL.

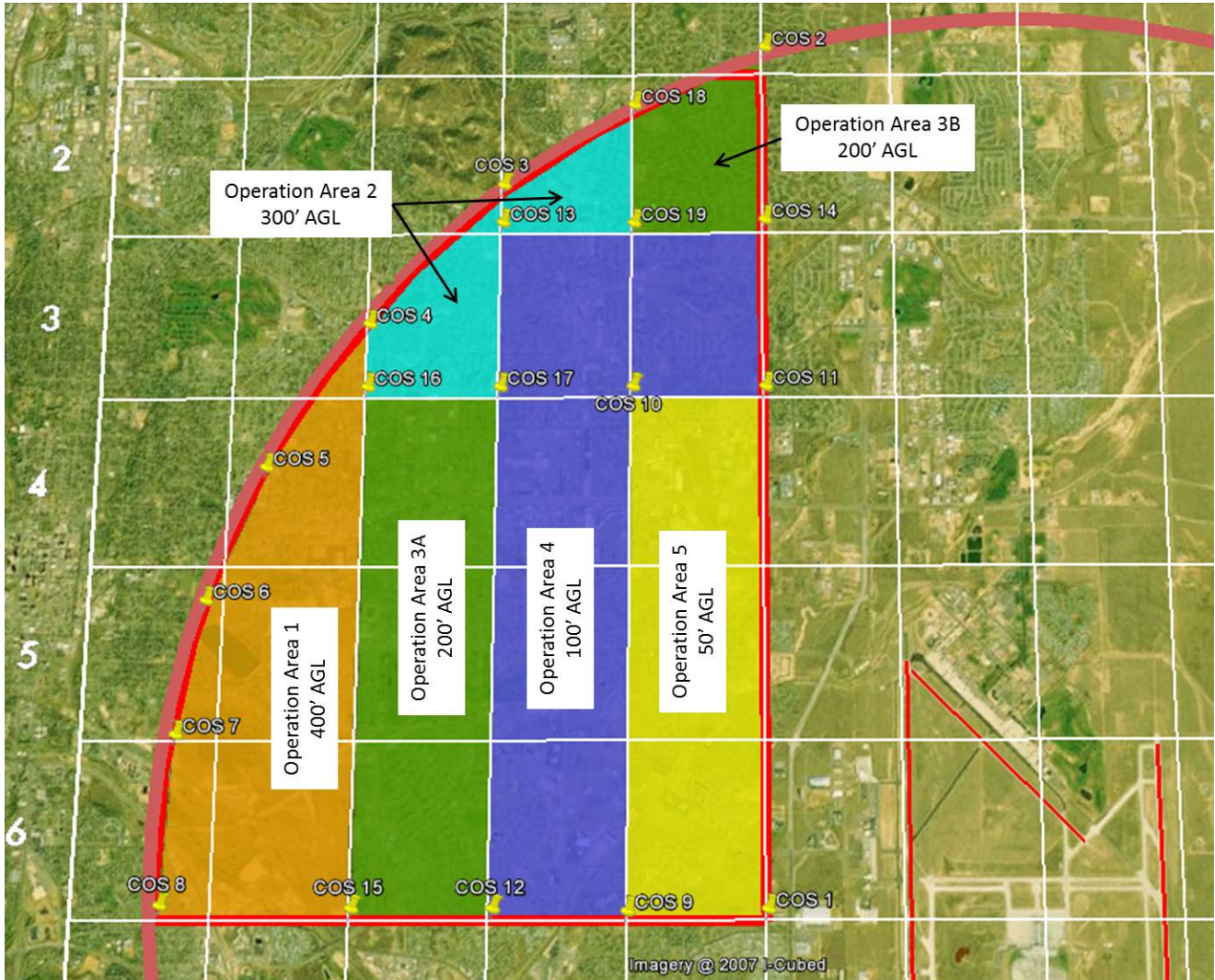
 - f. **Operations Area 5:** Operations within the area shaded in yellow depicted in Attachment 1 will be conducted at or below 50' AGL.
- 4. EMERGENCY/CONTINGENCY PROCEDURES:** Lost Link/Lost Communications Procedures:
- a. If the UAS loses communications or loses its GPS signal, the UA must return to 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

Operation Areas

COS Class C Airspace
Altitude as indicated on the map and Special Provisions



OPERATION AREAS COORDINATES LIST

OPERATION AREA 1 COORDINATES

COS 4 - 38°51'23.00"N 104°47'0.00"W	COS 15 - 38°47'60.00"N 104°47'0.00"W	COS 8 - 38°48'1.08"N 104°48'22.64"W
COS 7 - 38°48'58.20"N 104°48'19.29"W	COS 6 - 38°49'44.33"N 104°48'8.64"W	COS 5 - 38°50'31.28"N 104°47'44.35"W
COS 4 - 38°51'23.00"N 104°47'0.00"W		

OPERATION AREA 2 COORDINATES

COS 18 - 38°52'44.65"N 104°45'0.14"W	COS 19 - 38°51'59.98"N 104°45'0.03"W	COS 13 - 38°52'0.00"N 104°46'0.00"W
COS 17 - 38°51'0.00"N 104°46'0.00"W	COS 16 - 38°51'0.00"N 104°47'0.00"W	COS 4 - 38°51'23.00"N 104°47'0.00"W
COS 3 - 38°52'13.84"N 104°45'59.84"W	COS 18 - 38°52'44.65"N 104°45'0.14"W	

OPERATION AREA 3A & 3B COORDINATES

COS 17 - 38°51'0.00"N 104°46'0.00"W	COS 12 - 38°47'60.00"N 104°45'59.00"W	COS 15 - 38°47'60.00"N 104°47'0.00"W
COS 16 - 38°51'0.00"N 104°47'0.00"W	COS 17 - 38°51'0.00"N 104°46'0.00"W	

COS 2 - 38°53'6.35"N 104°43'59.65"W	COS 14 - 38°52'1.00"N 104°43'60.00"W	COS 19 - 38°51'59.98"N 104°45'0.03"W
COS 18 - 38°52'44.65"N 104°45'0.14"W	COS 2 - 38°53'6.35"N 104°43'59.65"W	

OPERATION AREA 4 COORDINATES

COS 13 - 38°52'0.00"N 104°46'0.00"W	COS 14 - 38°52'1.00"N 104°43'60.00"W	COS 11 - 38°51'0.00"N 104°44'0.00"W
COS 10 - 38°51'0.00"N 104°45'0.00"W	COS 9 - 38°47'59.08"N 104°45'0.82"W	COS 12 - 38°47'60.00"N 104°45'59.00"W
COS 13 - 38°52'0.00"N 104°46'0.00"W		

OPERATION AREA 5 COORDINATES

COS 10 - 38°51'0.00"N 104°45'0.00"W	COS 11 - 38°51'0.00"N 104°44'0.00"W	COS 1 - 38°47'59.79"N 104°44'0.12"W
COS 9 - 38°47'59.08"N 104°45'0.82"W	COS 10 - 38°51'0.00"N 104°45'0.00"W	