

Supplemental Type Certificate

Number ST02584LA

This Certificate issued to Coulson Aviation (USA) Inc.
655 South Rock Blvd.
Reno, Nevada 89502

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

*Original Product Type Certificate Number: **

*Make: **

*Model: **

* See attached FAA Approved Model List (AML) No. ST02584LA for list of approved airplane models and applicable airworthiness regulations

Description of Type Design Change: Installation of Retardant Aerial Delivery System (RADS) XXL for the special purpose of Forest and Wildlife Conservation on airplane models approved in the AML in accordance with the Master Drawing List (MDL), Airplane Flight Manual Supplements (AFMS) and Instructions for Continued Airworthiness (ICA) noted in AML ST02584LA.

Limitations and Conditions: This Supplemental Type Certificate (STC) requires the installation of Lower Tank Provisional STC ST02537LA, or modified in accordance with STC SA4850NM Drawing 11647 Lower Tank Structure, Assembly & Installation. The approval of this change applies to the models listed on FAA approved AML ST02584LA only. This installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this change and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft.

(Limitations and conditions continued on page 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: May 19, 2015

Date of issuance: April 18, 2016

Date reissued:

Date amended:

By direction of the Administrator



(Signature)

Manager, Airframe Branch
Los Angeles Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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United States Of America
Department of Transportation - Federal Aviation Administration
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Limitations and Conditions (continued):

The approval of this modification applies to the above noted airplane model series only. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

Certification Basis:

Coulson Aviation (USA) Inc. model EC-130Q

Based on Title 14 Code of Federal Regulations sections 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Coulson Aviation (USA) Inc. model EC-130Q aircraft with the Coulson Aviation (USA) Inc. RADS XXL STC is as follows:

- a. The type certification basis for parts **not changed or not affected** by the change is shown on TCDS T00019LA.
- b. The type certification basis for parts **changed or affected** by the change since the referenced date of application, May 19, 2015, is based upon part 25 as amended by Amendment 25-140. The certification basis for this modification was determined to be:

Regulations at the latest amendment level 25 – 0 through 25 – 140

14 CFR: 25.21, 25.25, 25.29, 25.101 - 25.125, 25.171, 25.177, 25.201, 25.203, 25.207, 25.251, 25.253, 25.301 - 25.305, 25.335, 25.561, 25.601 - 25.613, 25.625, 25.729, 25.777, 25.789, 25.841, 25.843, 25.853, 25.857, 25.863, 25.1301, 25.1309, 25.1351, 25.1353, 25.1357, 25.1501, 25.1529, 25.1543, 25.1557, 25.1581, 25.1701 - 25.1723, 25.1727

Regulations at an intermediate amendment

14 CFR: 25.143 Amendment 25-42 25.145 Amendment 25-72
 25.307 Amendment 25-72 25.571 Amendment 25-54
 25.787 Amendment 25-51 25.1435 Amendment 25-72
 25.1583 Amendment 25-105

Regulations at the amendment level in TCDS T00019LA⁺

14 CFR: 25.869, 25.1585

⁺ The Certification Basis for these regulations has been determined to be equivalent to TCDS A1SO model 382G.

Lockheed model 382G

Based on Title 14 Code of Federal Regulations sections 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Lockheed model 382G aircraft with the Coulson Aviation (USA) Inc. RADS Lower Tank Provisions STC is as follows:

- a. The type certification basis for parts **not changed or not affected** by the change is shown on TCDS A1SO.
- b. The type certification basis for parts **changed or affected** by the change since the referenced date of application, May 19, 2015, is based upon part 25 as amended by Amendment 25-140. The certification basis for this modification was determined to be:

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

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Regulations at the latest amendment level 25 – 0 through 25 – 140

14 CFR: 25.21, 25.25, 25.29, 25.101 - 25.125, 25.171, 25.177, 25.201, 25.203, 25.207, 25.251, 25.253, 25.301 - 25.305, 25.335, 25.561, 25.601 - 25.613, 25.625, 25.729, 25.777, 25.789, 25.841, 25.843, 25.853, 25.857, 25.863, 25.1301, 25.1309, 25.1351, 25.1353, 25.1357, 25.1501, 25.1529, 25.1543, 25.1557, 25.1581, 25.1701 - 25.1723, 25.1727

Regulations at an intermediate amendment

14 CFR: 25.143 Amendment 25-42	25.145 Amendment 25-72
25.307 Amendment 25-72	25.571 Amendment 25-54
25.787 Amendment 25-51	25.1435 Amendment 25-72
25.1583 Amendment 25-105	

Regulations at the amendment level in TCDS A1SO

14 CFR: 25.869, 25.1585

Note: A “no acoustical” change has been determined for the Coulson Aviation (USA) Inc. model EC-130Q and Lockheed model 382G airplanes, in compliance with 21.93(b).

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