



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: SA00337BO

This certificate issued to: Genesis 3 Engineering  
5765 Taxi Way, Hangar 1  
Colorado Springs, CO 80916

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product – Type Certificate Number: A37CE      Mcng: Cessna Aircraft Company  
Mqf gn 208B

Description of Type Design Change:

1. Installation of a Cessna 208B Mission Modification in accordance with Genesis 3 Engineering Master Data List P63-001-002, revision B, dated 01 August 2014, or later FAA approved revision.
2. Operation must be in accordance with Airplane Flight Manual Supplement (AFMS), Genesis 3 Engineering document number P63-001-012, revision IR, dated 01 August 2014, or later FAA approved revision. The AFMS must be carried in the aircraft during all flights.
3. Maintenance to be performed in accordance with Instructions for Continued Airworthiness (ICA), Genesis 3 Engineering document number P63-001-011, revision A, dated 21 July 2014, or later FAA accepted revision. The ICA must be made available to the operator at the time of installation.

Limitations and Conditions:

1. The installer must determine that the interrelationship between this installation and any previously approved modifications will not introduce any adverse effect upon the airworthiness of the aircraft.
2. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

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

Date of application: 02 May 2013

Date reissued:

Date of issuance: 01 August 2014

Date amended:

*By direction of the Administrator*

Signature \_\_\_\_\_

Title Douglas M. England  
Lead ODA Administrator - Pro Star Aviation, LLC  
ODA-833063-NE

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this Supplemental Type Certificate. The FAA will reissue the certificate in the name of the transferee and forward it to him.

*Transfer Endorsement*

*Transfer the ownership of Supplemental Type Certificate Number: SA00337BO*

**To** (Name and address of transferee)

**From** (Name and address of grantor)

Extent of Authority (if licensing agreement):

*Date of transfer:*

*Signature of grantor:* \_\_\_\_\_

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# Supplemental Type Certificate

(Continuation Sheet)

Number: SA00337BO

**Certification Basis:**

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the installation of the Cessna 208B Mission Modification in a Cessna Aircraft Company 208B aircraft is as follows:

a. The type certification basis for the Cessna Aircraft Company 208B aircraft is shown in TCDS A37CE for parts **not changed or not affected** by the change.

b. The certification basis for parts **changed or affected** by the change since the reference date of application, 02 May 2013, is based upon Part 23 as amended by Amendment 23-62. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

**Regulations at the latest amendment 23-0 through 23-62**

14 CFR §§ 23.1, 23.301, 23.305, 23.573, 23.867, 23.1351, 23.1581, 23.1583, 23.1585.

**Regulations at an intermediate amendment**

None

**Regulations at the amendment level in TCDS A37CE**

14 CFR §§ 23.29, 23.143, 23.161, 23.173, 23.175, 23.177, 23.201, 23.203, 23.251, 23.303, 23.307, 23.561, 23.601, 23.603, 23.605, 23.607, 23.609, 23.611, 23.613, 23.623, 23.625, 23.627, 23.771, 23.773, 23.777, 23.783, 23.785, 23.787, 23.807, 23.853, 23.867, 23.1301, 23.1307, 23.1309, 23.1321, 23.1322, 23.1351, 23.1357, 23.1365, 23.1367, 23.1381, 23.1411, 23.1413, 23.1415, 23.1431, 23.1447, 23.1501, 23.1525, 23.1529, 23.1541, 23.1555, 23.1561.

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## INSTRUCTIONS FOR PREPARATION OF FORM 8110-2, STC

**1. Import STC.** If approving the STC by following the requirements of 14 CFR § 21.29, then use the above-listed certifying ACO preparation instructions. Insert the word “IMPORT” immediately below “Supplemental Type Certificate.” Include data from the FCAA’s original STC to describe the design change and limitations as appropriate.

**2. Number.** Enter the STC number as obtained from the CPN database tool or equivalent database.

**3. Certificate Issued To.** Enter the name and street address of the person/company to whom the ACO issues the STC. This information must match exactly the name and street address on the FAA Form 8110-12.

**4. Part of the Federal Aviation Regulations.** Enter the applicable Federal Aviation Regulation.

**5. Original Product to include Make and Model.** Include the TC number and the TC holder’s name or “Make” of the product being altered as shown on the product specification or TCDS. In most cases “Make” is the common name of the type certificate holder. If the entity that holds the rights to the design permits another entity to build that product, the product “Make” would be the product name assigned by the entity that holds rights to the product design. List all applicable models with model designations identical to those on the TCDS. Do not use the Make-Model-Series description of the original product, unless it has been confirmed with the applicant that this installation eligibility is correct.

**6. Description of Type Design Change.** Include a description of the design change and identify the controlling document (for example, the Master Drawing List). Include required references as part of the design change, such as AFM supplements, ICA, loading instructions, drawings, drawing lists, and so forth. When producing multiple parts or kits, request the applicant to separate the installation data from the manufacturing data. Then, include the installation data list on the STC so the installer knows what data are required for installation of the design change.

**7. Limitations and Conditions.** This section identifies the specific limitations and conditions required for full compliance with the STC. At a minimum, include the following:

(a) Clearly show references to previous design changes. These changes are the ones enabling the newly altered product to be airworthy or those required to complete the installation. Identify here whether the STC is limited to a product definition more specific than the make-model-series description on the TCDS.

(b) For multiple STCs, include the following notes:

The installer must determine whether this design change is compatible with previously approved modifications.

If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

(c) When approving a one-only STC, include the following note:

You cannot use descriptive data about this design change to duplicate other products. This approval is limited to only the installation made in (Make of Product) \_\_\_\_\_ Model \_\_\_\_\_ Serial No. \_\_\_\_\_. This STC does not permit manufacturing of parts for multiple installations.

(d) Include a statement similar to the following, when the STC makes provisions for equipment installation but STC does not include approval of the equipment. This prevents completion of the installation without further approval or prevents use of the equipment provisions for other purposes:

The FAA has not certified the equipment for which these provisions are intended. You must get additional FAA approval to install this equipment. The FAA must evaluate the installation to ensure it complies with the applicable airworthiness standards.

(e) For STCs that change a product's TCDS, the applicant must develop the revised information for the STC, when the applicant's change requires revision of any information contained on the product's TCDS. Include this information in this section of the STC following the TCDS format.

**8. Date of Application.** Include the date of application from FAA Form 8110-12.

**9. Date of Issuance.** This is the date the ACO initially issued the STC. Do not release the STC or STC number, or give it to the applicant, before this date.

**10. Date Reissued.** This is the date that the ACO reissued the STC. If the ACO previously reissued the STC, add the new reissue date to those dates existing from each prior reissue. The ACO reissues an STC to do the following; other changes to the certificate are considered amendments:

- (a) Change the holder's name or address,
- (b) Transfer the STC to a new holder,
- (c) Correct administrative errors, or
- (d) Replace a lost or destroyed original.

**11. Date Amended.** This is the date that the ACO amended the STC. If the ACO

previously amended the STC, add the new amended date to those dates existing from each prior amendment. The ACO amends an STC for changes in the following sections of the STC: Original Product, Description of Change, or Limitation and Conditions.

**12. Signature and Title.** The manager of the issuing ACO or a delegated person signs the STC.

**13. Transfer endorsement.** Reserve page 2 of the STC document (FAA Form 8110-2) as a sheet for transfer endorsements. The transfer endorsement page is to be used to notify the appropriate FAA Aircraft Certification Office of the transfer of this STC. The FAA will reissue the certificate in the name of the transferee and forward it to him.

**14. Continuation Sheets.**

(a) Use continuation sheets when you need more space to do the following:

(1) Describe the design change,

(2) Identify the regulations and the complying amendments. When the certification basis differs from the original basis, the ACO must include the applicable portions of the certification basis as shown on the TCDS of the TC product, including all ELOS findings, exemptions, and directly related amendments. If other amendments are also involved, such as those with effective dates before the date of the STC application, the STC certification basis must reflect the combination of applicable regulations. The ACO shows this combination by listing the regulations and amendment level of each regulation for the changed product. When STC special conditions exist, the ACO must list them by number and date, and explain them on the STC continuation sheet, if appropriate; and

(3) Include additional limitations and conditions, such as operation limitations, equipment installations, weights, and so forth.

(b) In the STC, reference the continuation sheets in a note under the applicable paragraph, for example, “See continuation sheets 3 through x.” Insert “END” below the last sentence on the continuation sheet. Number all continuation sheets and give the latest effective date of the STC. This date is the latest issuing date or the last amendment date.