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Anexos: 0
Remitente: GRUPO CERTIFICACION DE PRODUCTOS AERONAUTICOS
Destinatario: CIRRUS DESIGN CORPORATION

Bogota, Colombia, December 18, 2023

Mr. Bernie Vogel

Certification Engineer

Cirrus Design Corporation

bvogel@cirrusaircraft.com

4515 Taylor Circle, Duluth, MN.

Subject: Post validation Activity: **Acceptance of Foreign Amended Type Certificate (TC) No. A00009CH (issued by FAA).**

References:

1. Cirrus Design Corporation Email dated December 7 and 12, 2023, attached compliance reports, Issue Papers and Technical Publication requested (by FTP site).
2. AEROCIVIL Email dated December 6, 2023, to Mr. Vogel (CDC), requesting additional documentation for Amended TC acceptance process (SR2X Generation 7 – for the SR20, SR22 and SR22T Aircraft) and questions about amend TC process.
3. Cirrus Design Corporation Email dated November 17, 2023, attaching 8 technical documents (PDF files) requested by AEROCIVIL, link to the website and complimentary login.
4. AEROCIVIL reference **No. 2023140040092472 Id: 1171594** dated November 17, 2023.
5. FAA letter dated September 28, 2023 - Subject: **SR2X Generation 7** – FAA Project No. AT10351CH-A Closure, to amend Cirrus Design Corporation **TC A00009CH** for the **SR20, SR22, and SR22T** aircraft (**TCDS Rev. 24 / September 28, 2023**).
6. AEROCIVIL letter of Type Certificate acceptance for Cirrus Design Corporation Models **SR20, SR22 and SR22T**, FAA TC No. **A00009CH**, November 26, 2010.
7. Colombian Civil Aviation Regulations, **RAC 21. § 21.156**.

Dear Mr. Vogel,

In reference to your request to update the acceptance of the **FAA TC A00009CH**, (issued under reference No.5 above), which has now been amended (Revision 24) to include the following changes:

1. Replacing the current Garmin G1000-based avionics architecture with the Garmin G2000 avionics architecture that includes upgrades to touchscreen controllers (GTC 585), wide-format display units (GDU 1x50W) for both Primary Flight Display (PFD) and Multi-Function Display (MFD) and a remote mounted audio system (GMA 36B).
2. An approved configuration of the SR2X that does not include a wet compass and the compass calibration card. For aircraft equipped with dual, independently powered sources of magnetic heading and its indication.
3. A lithium-ion engine start battery (BAT 1) has been added as an alternate configuration to the existing type design lead-acid start battery configuration. The bolster switch panel is reconfigured, the keyed ignition switch is replaced by a backlit engine start panel that contains a four-position rotary switch to control the ignition system (OFF – R – L – BOTH), and an integrated momentary pushbutton switch to engage the starter, relocation of the USB ports, elimination of the Avionics electrical bus, elimination of mechanical timers, and updates to the exterior and interior lighting installations.
4. Interior - Updated and modernized styling throughout. Updated look and feel of ECS panel and other controls to fit with the new styling.
5. Engine start panel update.
6. Fuel System- Automatic Fuel Selection System (AFSS).
7. Engine cowls changing – from fiberglass to carbon.
8. CAPS design update.

9. Redesign of yoke handle.
10. Throttle handle shape
11. Throttle and mixture position sensing
12. Electronic Placards

This authority has reviewed all the documents provided in the major update data package identified in the references of this letter and has determined that the data as provided complies with the requirements of RAC 21.156, and therefore we accept your request to update the major change on the TC acceptance letter (**SR20 Serials 9750 & subs / SR22 Serials 22-9750 & subs, SR22T Serials 22T-9750 & subs**).

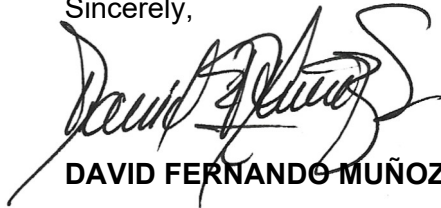
As supported by Cirrus Design Corporation, the following is the list of updated required certification documents:

1. E00003361 Rev. H. Project Specific Certification Plan, SR2X Generation 7.
2. E00003513. Certification Report SR2X Generation 7.
3. E000003513 - APPENDIX A - MASTER COMPLIANCE CHECKLIST (MCCL)
4. 13750. SR2X Master Drawing List
5. E00003462. Airframe Design and Strength Analysis Report, SR2X G7.
6. E00004054. Test Report, Flight, Cowl Vibration, SR2X G7.
7. 44763-001. FAA Approved AFM SR20, Rev. Orig., dated August 01, 2023
8. 44765-001. FAA Approved AFM SR22, Rev. Orig., dated August 01, 2023
9. 44767-001. FAA Approved AFM SR22T, Rev. Orig., dated August 01, 2023
10. E00003290 Certification Report, SR2x Wet Compass w MCCL Rev EC
11. Instructions for Continued Airworthiness: SRx AMM IICAW for G2000 Avionics (SR20 # 44771-001 and SR22/22T 44772-001) Rev. 1, or later FAA approved revision.

This letter of acceptance of the major change update (Post Validation Activity) will be entered in the national index of accepted TC.

The validity of this letter of acceptance of the major change update expires when the Type Certificate approval ceases to exist. If at any point of time, the AEROCIVIL finds that there is a reasonable doubt to indicate that the safety of the aeronautical product is compromised because of an unsafe condition developed in the aeronautical product, AEROCIVIL may cancel the letter of TC Acceptance.

Sincerely,



DAVID FERNANDO MUÑOZ. G.

Certification of Aeronautical Products Group Chief

Colombian Civil Aviation Authority (AEROCIVIL)

Copy: Mr Tim Luckey - timothy.f.luckey@faa.gov. FAA – Compliance & Airworthiness Division.

Projected by: Eng. Jairo Sora T.– CPA Group 

Eng. Edgar L. Cadena – CPA Group 