



Al contestar cite Radicado 2023240040027381 Id: 1122120
Folios: 3 Fecha: 2023-09-15 16:55:55
Anexos: 0
Remitente: GRUPO CERTIFICACION DE PRODUCTOS AERONAUTICOS
Destinatario: Garmin International Inc. - Erik Frisk y OTROS

Bogotá, September 15, 2023

Mr. Kyle Peters

Garmin International
Aircraft System and Certification Engineer
2345 Turner Road SE
Salem, OR 97302
Kyle.Peters@garmin.com

Subject: Post validation Activity: Update of Foreign Supplemental Type Certificate No.SA02658SE (issued by FAA) acceptance by AEROCIVIL reference # 2023240040012033, dated 27-04-2023, due to a Major Change to the STC

References:

1. Document File #2023240040012033 Id: 1004258 Acceptance of Foreign Supplemental Type Certificate No. SA02658SE,(issued by FAA)
2. Garmin Application Letter dated 21/06/2023 for major update of the STC SA02658SE-File Number
3. Project Specific Certification Plan 005-01208-KW Rev.1 GI 275 Part 23 AML Update ODA Certification Plan
4. Compliance Checklist 005-01208-KY Rev. 1 GI 275 Part 23 AML Update Compliance Summary Document
5. Master Drawing List 005-01208-41 Rev. 20 GI 275 Part 23 AML STC Master Drawing List
6. Installation Manual 190-02246-10 Rev. 15 GI 275 Part 23 AML STC Installation Manual
7. Installation Manual 190-02246-14 Rev. 13 GI 275 STC EIS & MFD Installation Manual
8. FAA STC SA02658SE with AML amended June 23 /2023

Dear Mr. Peters,

In reference to your request to update the acceptance of the **FAA STC SA02658SE**, (issued under reference 1 above), which has now been amended (Amended June 23, 2023) to include the following changes:

1. Approve the new GEA 24B engine adapter. The GEA 24B is a similar engine adapter to the existing GEA 24 and provides the same EIS functionality when interfaced with the GI 275. The GEA 24B will be limited to Class I and II aircraft just like the legacy GEA 24.
3. Approve new wiring architecture for resistive fuel quantity sensors with the GEA 24B. This is a new wiring interface architecture that provides the same EIS fuel quantity functionality as the currently certified architecture.
4. Approve new Gigaflight Category 5 Ethernet cable for use with the GI 275 system HSDB interface connections.
5. Approve updated interface wiring between the GI 275 and Century IV, 41, and 2000 Autopilots to install 1K Ohm resistors on the Course and Heading Error Hi outputs.
6. Add the following aircraft models to the approved AML:
 - a. BN2T-4S Type Certificate: A17EU
 - b. 305A (USAF 0-1A), 305C (USAF0-1E), 305D (USAF 0-1G), 305F Type Certificate: 5A5
 - c. 305B, 305E (Military TO-1D, 0-1D or 0-1F) Type Certificate: 3A14
 - d. Beagle B.121 Series 1, Beagle B.121 Series 2, Beagle B.121Series 3 Type Certificate: A22EU.

NOTE: Of all the models added to The AML the type certificates corresponding to items (b), (c) and (d) have not been accepted by this authority.

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 21.515**, and therefore we accept your request to update the major change on the STC acceptance letter.

As supported by GARMIN, the following is the list of updated required documents that must accompany each installation (RAC 43, § 43.300 (b)) for the configurations defined in the STC:

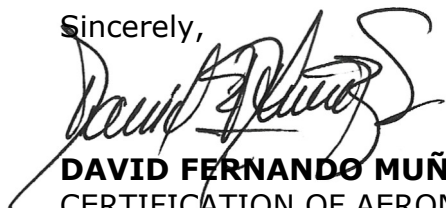
1. GI 275 Part 23 AML STC Installation Manual 190-02246-10 Rev 16 or later FAA approved revision
2. GI 275 STC EIS & MFD Installation Manual 190-02246-14 Rev. 14 or later FAA approved revision
3. GI 275 Part 23 AML STC Maintenance Manual with Instructions for Continued Airworthiness 190-02246-11 Rev. 7 or later FAA approved revision.

4. GI 275 Part 23 AML STC AFMS 190-02246-12 Rev.9 or later FAA approved revision.
5. GI 275 Part 23 AML STC Equipment List 005-01208-42 Rev. 17 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 STC.

The validity of this letter of acceptance of the major change update expires when the Supplemental 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, UAEAC may cancel the letter of STC Acceptance.

Sincerely,



DAVID FERNANDO MUÑOZ. G.

CERTIFICATION OF AERONAUTICAL PRODUCTS GROUP CHIEF

Elaboró:

David F. Muñoz G.
Coordinator
Aeronautical Products group Chief

Copies to:

STC Certification File
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