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Remitente: GRUPO CERTIFICACION DE PRODUCTOS AERONAUTICOS
Destinatario: Garmin International Inc. - Erik Frisk

Bogotá D.C., 2/10/2023

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.SA02636SE (issued by FAA) acceptance by AEROCIVIL reference # 2023240040000484, dated 10/01/2023, due to a Major Change to the STC**

References:

1. Document File #2023240040000484 Id: 737701 Acceptance of Foreign Supplemental Type Certificate No. SA02636SE, (issued by FAA)
2. Garmin Application Letter dated 12/07/2023 "Request to update UAEAC Letter of Acceptance for FAA AML STC SA02636SE"
3. ODA Certification Plan 005-01206-MB Rev. 3 ODA CERTIFICATION PLAN GPS 175/GNX 375/GNC 355 PART 23 V3.20 UPDATE
4. GPS 175/GNX 375/GNC 355 Part 23 AML Compliance Summary Document 005-01206-MK Rev. 1 01/03/2023
5. GPS 175/GNX 375/GNC 355 Part 23 AML STC Master Drawing List 005-01206-A1 Rev. 16 12/05/2023
6. GPS 175/GNX 375/GNC 355 Part 23 AML STC Equipment List 005-01206- A2 Rev.13 08/05/2023
7. GPS 175 Part 23 AML STC Installation Manual 190-02207-A1 Rev. 9 08/05/2023. GNX 375 Part 23 AML STC Installation Manual Rev. 9 08/05/2023
8. GNX 375 Part 23 AML STC Installation Manual Rev. 9 08/05/2023
9. GNC 355 Part 23 AML STC Installation Manual 190-02207-A5 Rev. 6 05/08/2023

10. Airplane Flight Manual Supplement or Supplemental Airplane Flight Manual for the Garmin GPS 175/GNX 375/GNC 355 GPS/XPDR/COM Navigation System 190-02207-A3 Rev. 4 01/03/2023
11. GPS 175/GNX 375/GNC 355 Part 23 AML STC Maintenance Manual with Instructions for Continued Airworthiness 190-02207-A2 Rev. 3 12.FAA STC SA02636SE with AML amended March 01 /2023
12. FAA STC SA02636SE with AML amended March 01 /2023

Dear Mr. Peters,

In reference to your request to update the acceptance of the FAA STC SA02636SE, (issued under reference 1 above), which has now been amended (Amended March 01, 2023) to include the following changes:

1. G2N v3.20 Software Update. Which includes the following new features under the update requested:
 - a. Crossfill of flight plan data
 - b. Fuel sensor support to GPS 175/GNX 375/GNC 355 Traffic and weather data from GNX 375 displayed on GPS 175 and GNC 355
 - c. User defined airports
 - d. Flyover waypoint depiction
2. Additional software updates:
 - a. GNX 375 Transponder Board v2.80, which includes bug fixes, configuration mode improvements, processing improvements and security robustness improvements.
 - b. Flight Stream 510 v2.71, which includes restrictions to incoming and outgoing packets received and sent when EFB mode is active, corrected issue where cached AIRMET and SIGMET data would not get sent to new PED connections.
3. Added interface configurations
 - a. G5 unit is approved to act as a heading reference source to the G2N navigator under this configuration. (G5 approval for installation not part of the STC or the amendment) this includes installation manual updates to show this configuration.
 - b. Added the GDC74() as an altitude source for the GNX375. (Configuration only, approval for installation of the sensor not part of the STC or STC amendment)
4. Add the following aircraft models to the approved AML:
 - a. F150F, F150G, F150H, F150J, F150K, F150L, F150M, F152, FA150K, FA150L, FA150M, FA152, FRA150L, FRA150M Type Certificate: A13EU (Textron Aviation Inc, formerly Reims Aviation S.A.

- b. PA-16, PA-16S Type Certificate: 1A1 (The New Piper Aircraft Inc.)
- c. PC-7 Type Certificate: A50EU (Pilatus Aircraft Ltd)

NOTE: The aircraft models added to The AML 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 (RAC43, §43.300(b)) for the configurations defined in the STC:

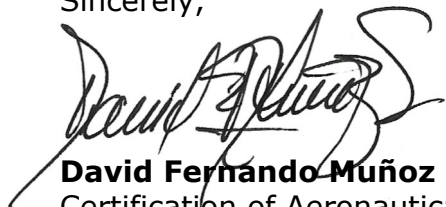
1. FAA STC SA02636SE with AML amended March 01 /2023
2. GPS 175/GNX 375/GNC 355 Part 23 AML STC Master Drawing List 005-01206-A1 Rev. 16 12/05/2023, or later FAA approved revision.
3. GPS 175/GNX 375/GNC 355 Part 23 AML STC Equipment List 005-01206-A2 Rev.13 08/05/2023, or later FAA approved revision.
4. GPS 175 Part 23 AML STC Installation Manual 190-02207-A1 Rev. 9 08/05/2023, or later FAA approved revision.
5. GNX 375 Part 23 AML STC Installation Manual Rev. 9 08/05/2023, or later FAA approved revision.
6. GNC 355 Part 23 AML STC Installation Manual 190-02207-A5 Rev. 6 05/08/2023, or later FAA approved revision.
7. Airplane Flight Manual Supplement or Supplemental Airplane Flight Manual for the Garmin GPS 175/GNX 375/GNC 355 GPS/XPDR/COM Navigation System 190-02207-A3 Rev. 4 01/03/2023, or later FAA approved revision.
8. GPS 175/GNX 375/GNC 355 Part 23 AML STC Maintenance Manual with Instructions for Continued Airworthiness 190-02207-A2 Rev. 3, 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 in 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 STC Acceptance.

Sincerely,



David Fernando Muñoz Galeano

Certification of Aeronautical Products Group Chief

Prepared by:

David F. Muñoz G Chief
Aeronautical Products Certification Group

Copies To:

STC File
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