



5106.109 – 2019017743
Bogotá, May 8, 2019

Mr. David Rankin
President
PEREGRINE
7385 S. Peoria St. Unit C4 – Englewood CO80112
drankin@peregrine.aero

**Subject: Acceptance of Foreign Supplemental Type Certificate
No. ST00835DE (issued by FAA).**

- References:
1. Peregrine reference No. CM-SE-19-0002 Rev IR, application package for ST00835DE FAA STC acceptance process, in reference to major alteration for installation of the Garmin transponders GTX 335R and 345R with ADS-B Out & In functionality on Part 25 aircraft. Colombian CAA (UAEAC) Reference: 2019013992, Dated February 28, 2019.
 2. UAEAC reference No. 5106.109-2019013666 dated April 4, 2019. UAEAC acceptance process of STC ST00835DE. (RAC 21, § 21.515).
 3. Colombian Civil Aviation Regulations, RAC 21. § 21.515

Dear Sir,

According to your application for the acceptance of **FAA Supplemental Type Certificate No. ST00835DE**, related to the installation of the Garmin transponders plus qualified position sensor:

(a) GTX 335R and 345R with ADS-B Out & In functionality on Part 25 aircraft;

considering that Peregrine has submitted the associated technical documentation, which was reviewed and evaluated under Colombian Civil Aviation Regulations (RAC 21, § 21.515). The Colombian Civil Aviation Authority (UAEAC) accepts the foreign Supplemental Type Certificate No. ST00835DE for major alteration application on Colombian registered aeronautical products, in accordance with airworthiness limitations and conditions stated in the FAA Supplemental Type Certificate. The aeronautical product must be listed in the respective Approved Model List (AML) of this STC. The ST00835DE STC will be entered in the national index of accepted STCs. It is important to mention that a copy of the STC and required documents should accompany each installation.

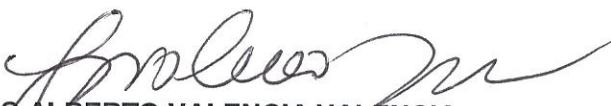
In addition, please consider that your company is responsible to keep this STC information (The alterations' published documents) updated to guarantee safe operation and support the continued airworthiness of the altered aircraft registered in Colombia.



Any major change of the STC information must be reported and documented to the Colombian Civil Aviation Authority (UAEAC).

The validity of this letter of acceptance expires when the Supplemental Type Certificate approval ceases to exist. If at any point of time, the UAEAC 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.

Kind regards,



LUIS ALBERTO VALENCIA VALENCIA
Operational Safety Secretary
Colombian Civil Aviation Authority (UAEAC)

Copy to: Ms. Cynthia Bradley at the Denver ACO, FAA - Cynthia.bradley@faa.gov
Eng. Francisco Ospina – Flight Standards Office Director

Prepared by: Eng. Edgar L. Cadena – Air Safety Inspector 

Revised by: Eng. Jose O. Daza - Certification of Aeronautical Products Group Chief 

Ruta electrónica: <\\bog7\ADI\Externo\2019017743>



303 325-3873 // office
7385 S. Peoria St Unit C4
Englewood, CO 80112
www.peregrine.aero

COORDINATION MEMO

| | | | |
|----------------|--|-----------------|----------------------|
| To | Luis Alberto Valencia Valencia Air Safety Secretary (Chief) Columbian Civil Aviation Authority | Date | February 15, 2019 |
| | | Document | CM-SE-19-0002 Rev IR |
| From | David Rankin | | |
| Subject | Aeronautica Civil Validation – ST00835DE | | |

Mr. Valencia,

We are requesting Aeronautica Civil approval of Federal Aviation Administration STC ST00835DE. This STC approves installation of the Garmin GTX 3X5 transponder and a qualified position source with ADS-B Out on Part 25 aircraft. This is an approved model list (AML) STC.

The models included on the AML are identified in FAA ST00835DE AML Rev C dated October 6, 2017.

There are no FAA special conditions, exemptions, or equivalent level of safety findings associated with this STC and there are no unusual design features.

Please advise Peregrine of any additional requirements that must be met and if Aeronautica Civil requires any additional data.

Please contact me for any assistance. We request a receipt confirmation of this letter by e-mail at drankin@peregrine.aero. If the approval is issued, please send the approval to Peregrine at the following address:

Peregrine
7325 S Peoria St Unit C4
Englewood, CO 80112.

We appreciate your consideration of this request and await your earliest reply.

Sincerely,

David Rankin
President, Peregrine

Attachments:

1. Application 8110-12
2. STC ST00835DE
3. ST00835DE AML
4. Compliance Summary Report
5. Master Drawing List
6. Aircraft Flight Manual Supplement
7. STC Installation Instructions
8. Instructions for Continued Airworthiness

AEROCIVIL

Radicado: R 2019013992 Fecha:28/02/2019 14:33:28.0

Al contestar favor citar este numero

Destinatario: SECRETARIA DE SEGURIDAD OPERACIONAL Y DE LA
Asunto: 0182 - INFORMACION GENERAL Y/O PETICIONES

Anexos: 1 RECIBIDO





AERONÁUTICA CIVIL DE COLOMBIA
UNIDAD ADMINISTRATIVA ESPECIAL

Principio de Procedencia:
5102.109

FORMATO

Título: SOLICITUD PARA CERTIFICACION DE DISEÑO (TC, STC), ENMIENDA / MODIFICACIÓN AL CERTIFICADO TIPO, CONVALIDACIÓN DE CERTIFICADO TIPO, APROBACION DE PRODUCCION (PC, PMA, TSOA, PRODUCCION BAJO TC SOLAMENTE)

APPLICATION FOR DESIGN CERTIFICATION (TC, STC), AMENDMENT / MODIFICATION TO TYPE CERTIFICATE (TC) , VALIDATION OF TYPE CERTIFICATE, PRODUCTION APPROVAL (PC, PMA, TSOA, PRODUCTION UNDER TC ONLY)

FECHA Y NUMERO DE RADICADO
(DATE & RADICATION NUMBER)

I. DATOS DEL SOLICITANTE (Representante Legal)
(APPLICANT INFORMATION (Legal Representative))

| | | |
|---------------------------------------|---------------------------|---|
| EMPRESA / NOMBRE (COMPANY / NAME): | Peregrine | DOCUMENTO DE IDENTIDAD (IDENTITY DOCUMENT): CC <input type="checkbox"/> CE <input type="checkbox"/> PASAPORTE <input type="checkbox"/> NIT <input type="checkbox"/> No. |
| DIRECCIÓN (ADDRESS): | 7385 S. Peoria St Unit C4 | TELEFONO /FAX (PHONE /FAX): |
| PAIS (COUNTRY): | USA | DPTO/ESTADO/PROVINCIA (STATE): |
| | | Colorado |
| | | CIUDAD (CITY): |
| | | Englewood |

II. APLICABILIDAD
(APPLICABILITY)

| A. APLICA PARA (APPLICATION MADE FOR) : | B. PRODUCTO INVOLUCRADO (PRODUCT INVOLVED): |
|--|---|
| <input type="checkbox"/> Certificado de Tipo (Type Certificate (TC)) <input type="checkbox"/> Enmienda o Modificación al TC (Amendment or Modification TC) <input checked="" type="checkbox"/> Certificado de Tipo suplementario (Supplemental Type Certification (STC)) <input type="checkbox"/> Convalidación al TC (Validation of TC) | <input checked="" type="checkbox"/> AERONAVE (AIRFRAME) <input type="checkbox"/> MOTOR (ENGINE) <input type="checkbox"/> HELICE (PROPELLER) <input type="checkbox"/> PARTES /COMPONENTE (PARTS/APPLIANCES) |
| <input type="checkbox"/> Producción Bajo Certificado De Tipo Solamente (Production under Type Certificate Only) <input type="checkbox"/> Certificado de Producción (Production Certificate (PC)) <input type="checkbox"/> Aprobación de Fabricación de Partes (Parts Manufacturer Approval (PMA)) <input type="checkbox"/> Autorización para producción de acuerdo con un TSO (Authorization TSO (TSOA)) | |

1. CERTIFICADO TIPO / ENMIENDA O MODIFICACION AL TC / CONVALIDACION DEL TC (complete el ítem 1a al 1c como aplique)
(TYPE CERTIFICATE / AMMENDMENT OR MODIFICATION TO THE TC / VALIDATION OF TC (Complete items 1a to 1c as applicable))

a. Designación de Modelo (s). Para CT / Enmienda o Modificación al TC: Todos los modelos listados, serán completamente descritos con los datos técnicos requeridos, incluyendo los planos que representan el diseño, materiales, especificaciones, construcción y performance de la aeronave, motor de la aeronave y hélice, el cual es sujeto de esta aplicación (Lo anterior de conformidad con lo estipulado en la parte novena numerales 9.2.2.2 y 9.2.5 de los RAC). Para Convalidación de CT: listar los modelos y sub-modelos a los que aplique (Lo anterior de conformidad con lo estipulado en la parte novena numerales 9.1 numeral d y 9.2.3 de los RAC).

(Model Designation(s). For TC / Amendment or Modification for TC: all models listed are to be completely described in the required technical data, including drawings representing the design, material, specifications, construction, and performance of the aircraft, aircraft engine, propeller which is the subject of this application. (In According with 9.2.2.2 y 9.2.5 of the RAC). For Validation of the TC: list all models and sub models as applicable (in according with 9th part of RAC numeral 9.1 paragraph d and 9.2.3))

b. Descripción del cambio al Diseño Tipo (Adjunte la información requerida)
(Description of modification to Type Design (Attach required information))

c. TC No. :



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APPLICATION FOR DESIGN CERTIFICATION (TC, STC), AMENDMENT / MODIFICATION TO TYPE CERTIFICATE (TC), VALIDATION OF TYPE CERTIFICATE, PRODUCTION APPROVAL (PC, PMA, TSOA, PRODUCTION UNDER TC ONLY)

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2. CERTIFICACIÓN DE PRODUCCIÓN PC: (Completar ítem 2a al 2c. Suministre con esta forma, una copia del manual de control calidad o los cambios que cubra solo los nuevos productos, como es requerido en los RAC numerales 9.3.4.2 y 9.3.4.3. Para Aprobación de Fabricación de Partes o componentes (PMA o TSOA) suministre lo establecido en 9.3.5.3 o 9.3.6.3 según aplique y diligencie 2a y 2d.
(PRODUCTION CERTIFICATE: (complete items 2a to 2c. submit with this form, in Manual form, one copy of quality control data or changes thereto covering new products, as required by applicable of RAC numerals 9.3.4.2 and 9.3.4.3). For PMA or TSOA complete item 2a and 2d; and submit with this form the documents as required by applicable RAC numerals 9.3.5.3 or 9.3.6.3)

| | | |
|---|--|---------------|
| a. Dirección de la fábrica (Factory address): | b. La aplicación es para (Application is for) <input type="checkbox"/> PC Nuevo (new Production Certificate) <input type="checkbox"/> Adición al PC (escribir No. P.C.) (Additions to Production Certificate (Give PC No.)) <input type="checkbox"/> Fabricación bajo TC (Manufacturing under TC) | No. PC |
|---|--|---------------|

| | |
|---|---------------------|
| c. El solicitante es poseedor o licenciatario de un Certificado Tipo o de un Certificado Tipo Suplementario (Escriba el numero del TC o del STC) (Applicant is holder of or a licensee under a Type Certificate or a Supplemental Type Certificate: (Attach evidence of licensing agreement and give certificate number)) | TC / STC No. |
|---|---------------------|

d. Descripción general parte o componente PMA/TSOA
(PMA or TSOA Description)

3. CERTIFICADO DE TIPO SUPLEMENTARIO (Complete los ítems 3a a 3d)
(SUPPLEMENTAL TYPE CERTIFICATE (Complete items 3a-3d below))

a. Marca y Modelo del producto a ser modificado
(Make and model designation of product to be modified)
Part 25 Approved Model List defined by FAA ST00835DE.AML Rev C.

b. Descripción de la modificación (Adjunte la información requerida)
(Description of modification: (Attach additional information as required))
Installation of Garmin GTX 3X5 Mode S Transponder in approved part 25 airplane models to provide ADS-B Out functionality. Reference FAA STC ST00835DE.

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|---|--|
| c. ¿El certificado estará disponible para la venta o para uso de otra persona? Will data be available for sale or release to other persons? <input checked="" type="checkbox"/> SI <input type="checkbox"/> NO | d. ¿Las parte serán fabricadas para la venta? Will parts be manufactured for sale? <input checked="" type="checkbox"/> SI <input type="checkbox"/> NO |
|---|--|

III. CERTIFICACIÓN – Yo certifico que la información de esta declaración es verdadera.
(CERTIFICATION - I certify that the above statements are true)

| | | |
|---|--|--|
| Nombre y Firma del Solicitante (Signature of Certifying Official) | Cargo / Empresa (Title) President | Fecha (Date) 13 February 2019 |
|---|--|--|