



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: ST04603CH

This certificate issued to: Nextant Aerospace  
18601 Cleveland Parkway  
Cleveland, OH 44135

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 25 of the Federal Aviation Regulations.

Original Product Make: Gulfstream  
Type Certificate Number: T00015AT Model: GVI

*Description of Type Design Change:*

Installation of a SpaceX Starlink Aviation System in accordance with Nextant Aerospace Master Data List, Doc. No. NT0077-MDL0-0100, Revision A, dated August 11, 2023, or later FAA-approved revisions.

*Limitations and Conditions:*

- 1) This STC is applicable to all serial numbers for this Make-Model.
- 2) The installer must determine whether this design change is compatible with previously approved modifications.
- 3) FAA Approved Airplane Flight Manual Supplement, Nextant Aerospace Doc. No. NT0077-AFMS-0100, Revision IR, approved August 14, 2023, or later FAA approved revision is required on board the modified aircraft.
- 4) FAA Approved Instructions for Continued Airworthiness – Airworthiness Limitations, Chapter 04-00-00 of Nextant Aerospace Doc. No. NT0077-ICA0-0100, Revision A, approved August 14, 2023, or later FAA approved revision is a required part of this STC.
- 5) This modification requires that the aircraft be shown to be electromagnetically compatible with transmitting portable electronics devices (T-PEDs) that utilize wireless data technologies.

(See Continuation Sheet, Page 4 of 4.)

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

Date of Application: November 4, 2022

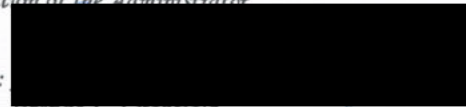
Date Reissued:

Date of Issuance: August 14, 2023

Date Amended:

By Direction of the Administrator

Signature:



Brenda L. Litchfield  
ODA Administrator

Title: Envoy Aerospace, LLC ODA-831240-CE

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).



United States of America  
 Department of Transportation  
 Federal Aviation Administration  
**Supplemental Type Certificate**

(Continuation Sheet)

Number: **ST04603CH**

Date of Issuance: August 14, 2023

**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 Gulfstream GVI aircraft is as follows:

- a. The type certification basis for the Gulfstream GVI aircraft is shown on TCDS T00015AT for parts not changed or affected by the change.
- b. This certification basis for parts changed or affected by the change since the reference date of application is based upon TCDS T00015AT. Based on 14 CFR 21.115 and 21.101, and the FAA policy for significant changes in Order 8110.48, the certification basis for this modification was determined to be:

**Applicable regulations at the latest amendment 25-0 through 25-120**

§ 25.29(a)(b)	§ 25.349(a)(b)	§ 25.869(a)(4)
§ 25.111(a)-(e)	§ 25.351(a)(b)	§ 25.901(c)
§ 25.113(a)(b)	§ 25.365(a)(b)(d)(e)(f)	§ 25.903(c)
§ 25.115(a)(b)(c)	§ 25.561(a)(b)(c)	§ 25.981(a)(3)
§ 25.117	§ 25.581(a)(b)(c)	§ 25.1301(a)-(d)
§ 25.119(a)(b)	§ 25.601	§ 25.1307(c)
§ 25.121(a)-(d)	§ 25.603(a)(b)	§ 25.1309(a)(b)(d)(g)
§ 25.123(a)(b)(c)	§ 25.605	§ 25.1351(a)
§ 25.147(a)(c)(d)(f)	§ 25.607(a)(b)(c)	§ 25.1353(a)(b)(d)
§ 25.177(c)(d)	§ 25.609(a)(b)	§ 25.1357(a)(c)(g)
§ 25.251(a)-(e)	§ 25.611	§ 25.1381(a)(b)
§ 25.301(a)(b)	§ 25.613(a)(b)(c)	§ 25.1419(a)
§ 25.303	§ 25.619(a)(b)(c)	§ 25.1431(a)(b)(c)(d)
§ 25.305(a)(b)(c)	§ 25.625(a)(b)(c)	§ 25.1501(a)(b)
§ 25.307(a)	§ 25.629(a)(b)(1)	§ 25.1529
§ 25.321(a)(b)	§ 25.773(a)(2)	§ 25.1581(a)(b)(d)
§ 25.331(a)(b)(c)	§ 25.777(a)(c)	§ 25.1583(c)
§ 25.335(a)-(d)	§ 25.841(a)	§ 25.1585(a)(b)
§ 25.341(a)	§ 25.853(a)	§ 25.1587(b)

**Applicable 14 CFR Part 25 regulations at other amendment levels**

§ 25.571(a)(b)(e)(1) [Amdt 25-132].

**Equivalent Level of Safety Findings**

ELOS Memo ENV22043-F-1: § 25.251(b) - Vibration and Buffeting Requirements for Ku Band Antenna

---

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).



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

(Continuation Sheet)

Number: **ST04603CH**

Date of Issuance: August 14, 2023

## Limitations and Conditions (Continued):

- 6) The system is intended to provide non-essential, non-required internet connection and email services to the airplane's cabin using portable electronic devices (PEDs). Any other intended function of this equipment will require a re-examination of the certification basis.
- 7) 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.

-----END-----

---

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).

---

# SUPPLEMENTAL TYPE CERTIFICATE

## 10082995

This Certificate/Approval is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation and in accordance with Commission Regulation (EU) No. 748/2012 to

### NEXTANT AEROSPACE, L.L.C.

18601 CLEVELAND PARKWAY  
CLEVELAND OH 44135  
UNITED STATES OF AMERICA

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and, if applicable, environmental protection requirements when operated within the conditions and limitations specified below:

**Type Certificate Number:** EASA.IM.A.169

**Type Certificate Holder:** GULFSTREAM AEROSPACE CORP.

**Type:** Gulfstream GVI

**Model:** GVI (G650)

**Original STC Number:** FAA STC ST3603CH

#### Description of Design Change:

Installation of a SpaceX Starlink Aviation System

#### EASA Certification Basis:

The Certification Basis for the original product remains applicable to this certificate/approval.

The requirements for environmental protection and the associated certified noise and/ or emissions levels of the original product are unchanged and remain applicable to this certificate/ approval.

#### Associated Technical Documentation:

Nextant Aerospace Master Data List, Doc. No. NT0077-MDL0-0100, Revision A, dated 11 August 2023,  
Airplane Flight Manual Supplement, Nextant Aerospace Doc. No. NT0077-AFMS-0100, Revision IR, dated 14 August 2023,

Instructions for Continued Airworthiness -Airworthiness Limitations, Chapter 04-00-00 of Nextant Aerospace Doc. No. NT0077-ICA0-0100, Revision A, dated 14 August 2023,

See Continuation Sheet(s)

For the European Union Aviation Safety Agency

Cologne, Germany, 11 October 2023



David SOLAR

Head of Department – General Aviation & VTOL



or later revisions of the above listed document(s) approved/accepted on behalf of EASA in accordance with the Technical Implementation Procedures of EU/ USA Bilateral Agreement.

**Limitations/Conditions:**

Prior to installation of this change/repair it must be determined that the interrelationship between this change/repair and any other previously installed change and/ or repair will introduce no adverse effect upon the airworthiness of the product.

This modification requires that the aircraft be shown to be electromagnetically compatible with transmitting portable electronics devices (T-PEDs) that utilize wireless data technologies.

- End -

