

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

*Number* ST04421CH

*This certificate issued to*  
Flightstar Corporation  
7 Airport Road  
Willard Airport  
Savoy, IL 61874

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified herein meets the airworthiness requirements of Part 25 of the Federal Aviation Regulations. (See Type Certificate Data Sheet No. T00008W1 for complete certification basis)*

*Original Product Type Certificate Number:* T00008W1  
*Make:* Learjet Inc.  
*Model:* 45

*Description of Type Design Change:*

Installation of a Data link communication system supporting FANS 1/A+ capability on Learjet Inc. Model 45 aircraft with Flightstar Corporation Master Data List 45-001-005, Revision D, dated July 6, 2019, or later FAA approved revision.

*Limitations and Conditions:*

1. The installer must determine the Compatibility of this design change with previously approved modifications.
2. If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.

*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:* January 9, 2017

*Date of issuance:* September 3, 2019

*Date received:*

*Date amended:*



*By direction of the Administrator*

*Steven L. Lardinois*  
(Signature)

Steven L. Lardinois  
Manager, Systems Section  
Chicago ACO Branch

(Title)

United States of America  
Department of Transportation - Federal Aviation Administration

**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* ST04421CH

*Date of issuance:* September 3, 2019

*Limitations and Conditions (Cont.):*

3. For aircraft equipped with UASC UL-801 UniLink CMU with imbedded VDR and TrueNorth Avionics Iridium Satcom DLU, Airplane Flight Manual Supplement, Flightstar Corporation Document No. 45-818-010, Revision IR, FAA Approved August 30, 2019, or later FAA approved revision, is required on board the aircraft.
4. For aircraft equipped with UASC UL-801 UniLink CMU with imbedded VDR, Airplane Flight Manual Supplement, Flightstar Corporation Document No. 45-818-011, Revision IR, FAA Approved August 30, 2019, or later FAA approved revision, is required on board the aircraft.
5. For aircraft equipped with the UASC Cockpit Voice Recorder and controls located in the copilot's panel, Airplane Flight Manual Supplement, Flightstar Corporation Document No. 45-818-012, Revision IR, FAA Approved August 30, 2019, or later FAA approved revision, is required on board the aircraft.
6. For aircraft equipped with the UASC Cockpit Voice Recorder and controls located in the UASC Dzus mounted panel, Airplane Flight Manual Supplement, Flightstar Corporation Document No. 45-818-013, Revision IR, FAA Approved August 30, 2019, or later FAA approved revision, is required on board the aircraft.

*Certification Basis:*

The certification basis for the changed Learjet 45 as described in this certificate is as follows:

- a. The type certification basis for Learjet 45 airplanes is shown on TCDS T00008WI for parts not changed or not affected by the change.
- b. The certification basis for parts changed or affected by the change since the reference date of application, January 9, 2017, is as shown on TCDS T00008WI. In addition, the holder of this certificate has complied with 14 CFR Part 25 as amended by Amendment 25-124:

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 this modification was determined to be:

14 CFR Part 25 Regulations at the latest amendment 25-0 through 25-124  
25.1457(a)(6)