



STATE OF ISRAEL

Ministry of Transport
Civil Aviation Authority (CAAI)

תעודת סוג - תוספת SUPPLEMENTAL TYPE CERTIFICATE No. SA309

This certificate issued to

תעודה זו ניתנה ל

**Astronics Armstrong Aerospace
Harmony Court 1437
Itasca, IL 60143**

Certifies that the change in the type design for the following product with the limitations and conditions as specified herein meets the requirements of Air Navigation Regulations (Procedures for Documentation of Aircraft and Aircraft Parts).

מאשרת שהשינוי בתכן הסוג של המוצר דלהלן במגבלות ובתנאים המבצעיים כמפורט להלן ממלא אחר דרישות תקנות הטיס (נהלי תיעוד כלי טיס וחלקיהם).

Original Type Certificate	IA123	תעודת סוג
Make	Boeing	יצרן
Model	747-400	דגם

Description of Type Design Change: **תיאור השינוי בתכן הסוג:**

Certification of Compatibility with Cellular and Wireless Data Technologies in accordance with Astronics Armstrong Aerospace Master Data List, Doc. No. DC104-9800-00, Revision -, dated July 10, 2017, or later CAAI approved revision.

Limitations and Conditions **מגבלות ותנאים:**

See Reverse Side

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 Director General, Civil Aviation Authority.

תעודה זו ונתוני הביסוס המהווים בסיס לאישור יהיו בתוקף עד ביטולם, התלייתם, השעייתם או עד פקיעת תוקפם כפי שנקבע על יד מנהל רשות התעופה האזרחית.

Date of application: Aug 17, 2017 **תאריך הגשת הבקשה:**

Date of issuance: Sep 17, 2017 **תאריך הוצאת התעודה:**

Date of amendment: **תאריך שינוי התעודה:**

**By the direction of the Director General,
Civil Aviation Authority**

**בהתאם להוראת מנהל רשות התעופה
האזרחית**

Signed by: Tamir Bar - Am **חתום:**

Title: Manager, Engineering Department **תפקיד:**



תעודת סוג - תוספת
SUPPLEMENTAL TYPE CERTIFICATE No. **SA309**

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Limitations and Conditions :

- 1) The installer must determine whether this design change is compatible with previously approved modifications.
- 2) Limitations for installations utilizing the Wireless Data Technologies compatibility aspects of this STC only, as defined in Group 2 of Astronics Armstrong Aerospace Master Data List, Doc. No DC104-9800-00, Revision -, dated July 10, 2017, or later approved revision:
 - (a) This STC does not constitute installation approval of a wireless radio frequency system using wireless data technologies. It only provides data that may partially support their installations or activations.
 - (b) The installer must comply with limitations listed in Sections 2 and 3 of Astronics Armstrong Aerospace "Aircraft Equipment Compatibility List", Doc. No. DC370-9800-02, Revision -, dated July 10, 2017
 - (c) The operator is responsible to ensure changes to the aircraft equipment remain compatible in accordance with Sections 3 and 5 of Astronics Armstrong Aerospace "Aircraft Equipment Compatibility List", Doc. No. DC370-9800fc-02.
- 3) 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.

Certification Basis:

- 1) The type certification basis for the Boeing 747-400 Series aircraft is shown on TCDS A20WE for parts not changed or not affected by this change.
- 2) The certification basis for the parts changed or affected by this change since the reference date of application, March 17, 2017, is shown on TCDS A20WE. The applicant has complied with 14 CFR Part 25 as amended by Amendment 25-119 and 14 CFR Part 26 amended by Amendment 26-1.

14 CFR Part 25 Regulations at the latest amendment 25-0 through 25-119
25.1309(a); 25.1529.

14 CFR Part 26 Regulations

Based on 14 CFR § 21.101(g), applicable provisions of 14 CFR Part 26 are included in the certification basis. For any future 14 CFR Part 26 amendments, the holder of this STC must demonstrate compliance with the applicable sections. As of the latest amendment date of this STC, compliance has been found for the following regulations: 14 CFR §§ 26.11(c) [Amdt. No. 26-0]; 26.47(c) [Amdt. No. 26-1]. This modification does not affect or create fatigue critical baseline structure.

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