



תעודת סוג - תוספת
SUPPLEMENTAL TYPE CERTIFICATE No. SA276

This certificate issued to **Israel Aerospace Industries** תעודה זו ניתנה ל
Ben Gurion Int'l Airport
70100 Israel

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).

CAAI Type Certificate	A029IL	תעודת סוג
Make	Boeing	יצרן
Model	737-300, 400, 500, 600, 700, 800, 900, 900ER	דגם

Description of Type Design Change: **תיאור השינוי בתכון הסוג:**
Approval of Taxibot NB for Taxiing Boeing 737 airplanes – All Models

Limitations and Conditions See Reverse Side **מגבלות ותנאים:**

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, התליתם, השעיתם או עד פקיעת תוקפם כפי שנקבע על יד מנהל רשות התעופה האזרחית.

Date of application:	Jan 15, 2013	תאריך הגשת הבקשה:
Date of issuance:	Oct 07, 2014	תאריך הוצאת התעודה:
Date of Revision: Rev.1	March 3, 2016	תאריך עדכון התעודה:
Date of Revision: Rev.2	July 7, 2017	תאריך עדכון התעודה:

By the direction of the Director General,
Civil Aviation Authority

בהתאם להוראת מנהל רשות התעופה האזרחית.

Signed by:


Tamir Bar Am



חתימה:

Title:

Manager, Engineering Department

תפקיד:

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Limitations and Conditions :

1. ~~The on-board VHF COM Radio transmission should not be used at spectrum of 122 to 136 MHz, due to Intra-system EMC problem. Canceled in Rev.2~~

Certification Basis:

1. **Airworthiness requirements** of 14 CFR Part 25 as follows:
 - a. Unaffected Boeing 737 (All Models) as originally certified and defined on FAA TCDS A16WE.
 - b. Areas and items affected or changed by the Taxibot NB certified by the amendment applicable at the time of Boeing 737-900ER certification, with the exception of the following sections:
 - i. Section 25.1309(a) Amdt. 25-123 will include compliance of the HLC (main computer of TAXIBOT) to DO-160, DO-178B level -B and DO-254 level-C requirements.
 - ii. Section 25.1316 Amdt 25-80 will include compliance of the Taxibot for "Indirect Lightning" only.
 - iii. FAR 25.1322 Amdt. 25-131 will include compliance to aural warning provided by the TAXIBOT NB to the cockpit via intercom.
 - c. FAR §25.1431 – A compliance was shown, by test, for 737-500 and 737-700 only and by similarity to all other models (TAXIBOT_NB IP E-1 "EMI – Showing compliance for each model").
2. **Equivalent Levels of Safety Findings:**
 - a. FAR §25.307 - Taxibot NB IP A-1 "Validation of TAXIBOT ADAMS SIMULATION".
 - b. FAR §25.735 - Taxibot NB IP S-1 "Brake system performance due to taxiing with Taxibot".
 - c. FAR §25.571 - TAXIBOT_NB IP S-2 "NLG - Fatigue evaluation of structure".

3. Change Record:

Starting with Rev.- Dated Oct 07, 2014

TC Rev.	Rev. Date	Changes
Rev.1	March 3, 2016	Add following Boeing 737 models to STC: 600, 700, 800, 900, 900ER
Rev.2	July 7, 2017	Limitations and Conditions – Note 1 Cancelled