

**State of Israel
Ministry of Transport
Civil Aviation Authority**

**AD ISR-I-53-2019-12-6 R2
Date: August 20, 2020**

AIRWORTHINESS DIRECTIVE

This Airworthiness Directive, issued by the Civil Aviation Authority in accordance with the Israeli Air Navigation Regulations applies to an aircraft for which our records list you as the registered owner. It affects aviation safety and requires your immediate attention. No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with that Directive.

APPLIES TO: 737-300, 737-400 and 737-700 airplanes modified to a Bedek Division Special Freighter (BDSF), prior to December 2019, per IAI STC SA136 (CAAI)/ST01566LA (FAA)/ 10015542 (EASA) or IAI STC SA160 (CAAI) /ST01961SE (FAA)/ 10016227 (EASA) or IAI STC SA299 (CAAI) / ST02556SE (FAA) correspondingly, with a 9G rigid barrier, certificated in any category, as identified in IAI Service Bulletin 365-00-054 Revision 2, dated July 29, 2020.

SUBJECT: Loading restrictions due to 9G barrier manufacturing non-compliance

REASON: Following a review of the process used to manufacture the 9G rigid barrier installed on IAI 737-300/-400/-700 BDSF conversions; a manufacturing noncompliance has been identified. This manufacturing noncompliance critically affects the rigid barrier structural integrity and its capability in resisting a 9g forward longitudinal load as required by CFR 14, FAR 25.562 emergency landing conditions.

ACTION: IAI Service Bulletin 365-00-054 Revision 2, provides loading restrictions that will allow 737-300, 737-400 and 737-700 airplanes modified by IAI to a special freighter to operate with the current installed 9G rigid barrier. The loading restrictions include reducing the cargo weights per each loading configuration and the use of additional straps when necessary.

- (a) IAI Service Bulletin 365-00-054 Revision 1, corrects the bulletin's reference to a TSO-C172a cargo strap load rating of 7,500 pounds; the correct cargo strap load capability is 5,000 pounds;
- (b) IAI Service Bulletin 365-00-054 Revision 2, corrects the STC effectivity identifications.

COMPLIANCE: Comply with this AD before next flight.

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EFFECTIVE DATE: December 12, 2019.

ALTERNATIVE METHODS of COMPLIANCE (AMOC): The Chief Engineer, Certification and Airworthiness Division, CAAI, has the authority to approve AMOCs for this AD, if requested, using the procedures found in ENG 1.4.035. In accordance with Regulation 37 of the Air Navigation Regulations (Procedures for Certification of Aircraft and Aircraft Parts), 1977, send your request to your principal inspector. If sending information directly to the manager of the certification office, send it to the attention of the person identified in paragraph "FOR FURTHER INFORMATION CONTACT" of this AD.

Before using any approved AMOC, notify your principal inspector.

FOR FURTHER INFORMATION CONTACT: Vladimir Novicov, Engineering Branch, CAAI - P.O.Box 1101, 3 Golan Street, Airport City, Israel, 70151 Telephone: 972-3-9774529, Fax: 972-3-9774592, E-mail: novikovv@mot.gov.il .