**DEPARTMENT OF TRANSPORTATION**

**Federal Aviation Administration**

14 CFR Part 39


**RIN 2120–AA64**

**Airworthiness Directives; Gulfstream Aerospace LP (Type Certificate Previously Held by Israel Aircraft Industries, Ltd.) Airplanes**

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Final rule.

**SUMMARY:** We are superseding airworthiness directive (AD) 2010–11–02 for all Gulfstream Aerospace LP (Type Certificate Previously Held by Israel Aircraft Industries, Ltd.) Model Gulfstream 100 airplanes, and Model Astra SPX and 1125 Westwind Astra airplanes. AD 2010–11–02 required amending the airplane flight manuals (AFMs) to include additional procedures for verifying complete closure and locking of the main entry door (MED). AD 2010–11–02 also required modifying the warning and caution lights panel (WACLP), changing the WACLP and MED wiring, changing the wiring harness connecting the MED to the WACLP, and revising the log of modification of the AFM if necessary. This new AD revises the compliance time and removes an airplane from the applicability. This AD was prompted by a report of a MED opening in flight on an unmodified airplane. We are issuing this AD to prevent incomplete closure of the MED, which may result in the door opening in flight and possible separation of the door, causing damage to the airplane structure and left engine by flying debris and objects.

**DATES:** This AD becomes effective September 10, 2013.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of September 10, 2013.

The Director of the Federal Register approved the incorporation by reference of certain other publications listed in this AD as of June 25, 2010 (75 FR 28485, May 21, 2010).

**ADDRESSES:** You may examine the AD docket on the Internet at http://www.regulations.gov or in person at the U.S. Department of Transportation, Docket Operations, M–30, West Building, G–95, Washington, DC 20004.


**SUPPLEMENTARY INFORMATION:**

**Discussion**

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to include an AD that would apply to the specified products. The NPRM was published in the **Federal Register** on February 26, 2013 (78 FR 12995), and proposed to supersede AD 2010–11–02, Amendment 39–16307 (75 FR 28485, May 21, 2010), which superseded AD 2007–03–05, Amendment 39–14916 (72 FR 4414, January 31, 2007). The NPRM proposed to correct an unsafe condition for the specified products. The Civil Aviation Authority of Israel (CIAI), which is the aviation authority for Israel, has issued Israeli Airworthiness Directive 31–06–11–05R1, dated May 18, 2011 (referred to after this as the Mandatory Continuing Airworthiness Information, or “the MCAI”), to correct an unsafe condition for the specified products. The MCAI states:

- **To increase pilots’ awareness to the possibility of incomplete closure of the Main Entry Door (MED) by the following means:**
  1. Splitting the common caution light CABIN DOOR signaling both MED Improper Closure and MED Inflatable Seal Failure into two separate lights: CABIN DOOR and CABIN DOOR SEAL.
  2. Converting the separated CABIN DOOR Caution light into a Warning light by changing its color to red.

**NOTE:** Airplane Flight Manuals (AFM’s) refer to these changes as MOD G1–20052. Incomplete closure of the MED may be followed by in-flight opening and possible separation of the door. As a result, the MED, the adjacent fuselage structure and other parts of the aircraft may be damaged due to opening forces and landing impact. Damage to the aircraft structure and to the left engine by flying debris and objects may also occur.

**Costs of Compliance**

The new requirements of this AD add no additional economic burden. The current costs for this AD are repeated for the convenience of affected operators, as follows:

- We estimate that this AD will affect about 160 products of U.S. registry.
- The actions that were required by AD 2010–11–02, Amendment 39–16307 (75 FR 28485, May 21, 2010), and retained in this AD take about 60 work-hours per product, at an average labor rate of $85 per hour. Required parts cost about $600 per product. Based on these figures, the estimated cost of the actions required by this AD is $5,700 per product.

**Authority for This Rulemaking**

Title 49 of the United States Code specifies the FAA’s authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. “Subtitle VII: Aviation Programs,” describes in more detail the scope of the Agency’s authority.

We are issuing this rulemaking under the authority described in “Subtitle VII, Part A, Subpart III, Section 44701: General requirements.” Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

**Regulatory Findings**

We determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on
of the Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

PART 39—AIRWORTHINESS DIRECTIVES

§ 39.13 [Amended]

(a) Effective Date

This airworthiness directive (AD) becomes effective September 10, 2013.

(b) Affected ADs

This AD supersedes AD 2010–11–02, Amendment 39–16307 (75 FR 28485, May 21, 2010).

(c) Applicability

This AD applies to Gulfstream Aerospace LP (Type Certificate Previously Held by Israel Aircraft Industries, Ltd.) Model Gulfstream 100 airplanes, and Model Astra SPX and 1125 Westwind Astra airplanes; certificated in any category; all serial numbers except serial number 158.

(d) Subject

Air Transport Association (ATA) of America Code 31: Indicating/Recording Systems.

(e) Reason

This AD was prompted by a report of a main entry door (MED) opening in flight on an unmodified airplane. We are issuing this AD to prevent incomplete closure of the main entry door, which may result in the door opening in flight and possible separation of the door, causing damage to the airplane structure and left engine by flying debris and objects.

(f) Compliance

You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

(g) Retained Revisions to Airplane Flight Manuals

This paragraph restates the requirements of paragraph (f) of AD 2010–11–02, Amendment 39–16307 (75 FR 28485, May 21, 2010). Within 10 days after February 15, 2007 (the effective date of AD 2007–03–05, Amendment 39–14916 (72 FR 4414, January 31, 2007)), amend Section IV, Normal Procedures, of Gulfstream airplane flight manuals (AFMs) Model 1125 Astra, 25W–1001–1; Model Astra SPX, SPX–1001–1; and Model G100, G100–1001–1; as applicable; to include the language specified in figure 1 to paragraph (g) of this AD. Insertion of copies of figure 1 to paragraph (g) of this AD at the appropriate places of the AFMs is acceptable. The actions required by this paragraph may be accomplished by a holder of a Private Pilot’s License.
Figure 1 to Paragraph (g) of this AD – AFM Revision

1. BEFORE ENGINE START:

(PRE and POST Mod 20052/Gulfstream Service Bulletin 100-31-284):
CABIN DOOR – CLOSED (Physically verify door latch handle pin is fully engaged in the handle lock)

2. BEFORE TAXIING:

Change the CABIN DOOR procedure as follows (POST Mod 20052/Gulfstream Service Bulletin 100-31-284):
Check CABIN DOOR light – OUT

3. BEFORE TAKE-OFF:

Insert between the POSITION lights switch and the THRUST LEVERS procedures:
(PRE Mod 20052/Gulfstream Service Bulletin 100-31-284):
Check CABIN DOOR light – OUT (50% N1 may be required)

(POST Mod 20052/Gulfstream Service Bulletin 100-31-284):
Check CABIN DOOR light – OUT
CABIN DOOR SEAL light – OUT (50% N1 may be required)

Note: Mod 20052 is equivalent to Gulfstream Service Bulletin 100-31-284, dated August 17, 2006.
of the effective date of this AD, Gulfstream Service Bulletin 100–31–284, Revision 1, dated May 27, 2011, must be used to accomplish the actions required by this paragraph.

(4) Within 250 flight hours after June 25, 2010 (the effective date of AD 2010–11–02, Amendment 39–16307 (75 FR 28485, May 21, 2010)), but no later than within 6 months after the effective date of this AD: Verify that the log of modification of the relevant AFM includes a reference to MOD G1–20052, and, if no reference is found, revise the log of modification of the AFM to include a reference to the modification.

(5) Do the modifications specified in paragraphs (h)(1), (h)(2), (h)(3), and (h)(4) of this AD terminates the requirements of paragraph (g) of this AD. After the modifications have been done, the AFM limitation required by paragraph (g) of this AD may be removed from the AFM.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, International Branch, ANM–116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the International Branch, send it to ATTN: Tom Stafford, Aerospace Engineer, to the International Branch, ANM–116, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, WA. For information on the availability of this material at the FAA, call 425–227–1221.

(7) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal-register/cfr/ibr-locations.html.

Issued in Renton, Washington, on July 9, 2013.

Jeffrey E. Duven, Acting Manager, Transport Airplane Directorate, Aircraft Certification Service. [FR Doc. 2013–18768 Filed 8–5–13; 8:45 am]

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DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39


RIN 2120-AA64

Airworthiness Directives; The Boeing Company Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: We are superseding airworthiness directive (AD) 2000–06–13 R1, which applied to certain The Boeing Company Model 737–200, –200C, –300, and –400 series airplanes. AD 2000–06–13 R1 required repetitively inspecting for cracking of the corners of the door frame and the cross beams of the aft cargo door, and corrective actions if necessary. AD 2000–06–13 R1 also required modifying the aft cargo door, which terminates the repetitive inspections. This new AD adds airplanes to the applicability, adds inspections and related investigative and corrective actions, revises certain inspection types, and reduces a certain compliance time for modifying the doors. This AD was prompted by reports of cracking in the forward and aft corner frames of the aft cargo door and in the lower cross beam. We are issuing this AD to prevent fatigue cracking of the corners of the door frame and the cross beams of the aft cargo door, which could result in rapid depressurization of the airplane.

DATES: This AD is effective September 10, 2013.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in the AD as of September 10, 2013.

The Director of the Federal Register approved the incorporation by reference of a certain other publication listed in this AD as of May 9, 2000 (65 FR 17583, April 4, 2000).

The Director of the Federal Register approved the incorporation by reference of a certain other publication listed in this AD as of December 24, 1998 (63 FR 67769, December 9, 1998).


Examining the AD Docket

You may examine the AD docket on the Internet at http://www.regulations.gov; or in person at the Docket Management Facility between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, the regulatory evaluation, any comments received, and other information. The address for the Docket Office (phone: 800–647–5527) is Document Management Facility, U.S. Department of Transportation, Docket Operations, M–30, West Building Ground Floor, Room W12–140, 1200 New Jersey Avenue SE., Washington, DC 20590.

FOR FURTHER INFORMATION CONTACT: Alan Pohl, Aerospace Engineer, Airframe Branch, ANM–120–S, FAA, Seattle Aircraft Certification Office, 1601 Lind Avenue SW., Renton,