



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2025-12-01

Effective Date: 22 dec. 2025

The following Brazilian Airworthiness Directive (AD), issued by the Agência Nacional de Aviação Civil (ANAC) in accordance with provisions of Chapter IV, Title III of Código Brasileiro de Aeronáutica - Law No. 7,565 dated 19 December 1986 - and Regulamento Brasileiro da Aviação Civil (RBAC) 39, applies to all aircraft registered in the Registro Aeronáutico Brasileiro. No person may operate an aircraft to which this AD applies, unless it has previously complied with the requirements established herein.

AD No. 2025-12-01 - EMBRAER / 39-1595.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer S.A. airplanes models EMB-545 and EMB-550, in operation.

NOTE 1: This AD requires revisions to certain operator maintenance documents to include new airworthiness limitations to the existing ones and their respective thresholds and intervals. Compliance with these inspections is required by RBAC 91.403(c).

CANCELLATION / REVISION:

Not applicable.

REASON:

This AD was prompted by a new revision to the airworthiness limitations of the Aircraft Maintenance Manual.

Failure to inspect structural components, according to the new or revised tasks, thresholds and intervals, addressed in the Airworthiness Limitation Inspections (ALI) could prevent a timely detection of fatigue cracking. These cracks, if not properly addressed, could adversely affect the structural integrity of the airplane.

In addition, Airworthiness Limitations associated with Certification Maintenance Requirements – CMR, Fuel System Limitations Items – FSL, and Life Limited Items – LLI are mandatory for continued airworthiness. Failure to accomplish these instructions could result in an unsafe condition.

Considering that this condition may occur in other airplanes of the same type and affect flight safety, a corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit.

REQUIRED ACTION:

This AD requires revision to the approved maintenance program, to incorporate new Airworthiness Limitations - ALIs.

COMPLIANCE:

(a) Review of maintenance program

Within three months after the effective date of this AD, revise the maintenance or inspection program, as applicable, to incorporate the information of Part IV, Airworthiness Limitations (AWL), of EMB 545/550 Aircraft Maintenance Manual, AMM-5613, according to paragraphs (a)(1) and (a)(2) of this AD, as applicable.

(1) Incorporate the information of Structure Airworthiness Limitations (ALI), Revision 01, dated February 08th, 2023, or subsequent revisions approved by ANAC.

(2) Incorporate the information of Certification Maintenance Requirements (CMR), Revision 03, dated November 08th, 2024, or subsequent revisions approved by ANAC.

(b) Alternative actions and intervals

After accomplishing the actions required by paragraph (a) of this AD, alternative inspections or inspection intervals shall not be used unless the alternative inspection or interval is published in revisions of AMM-5613 approved by ANAC later than revision 01 of the Structure Airworthiness Limitations (ALI), dated February 08th, 2023, and later than revision 03 of Certification Maintenance Requirements (CMR), dated November 08th, 2024, or approved as an alternative method of compliance (AMOC) in accordance with the procedure specified in paragraph (c) of this AD.

(c) Alternative Methods of Compliance (AMOC)

A different method or a different compliance time, with the requirements of this AD, may be used if approved by the Manager of the Continuing Airworthiness Technical Branch (GTAC) of ANAC.

(d) Material incorporated by reference

You must use this information as applicable to accomplish the actions required by this AD, unless this AD specifies otherwise:

(1) Part IV, Airworthiness Limitations (AWL), of EMB 545/550 Aircraft Maintenance Manual, AMM-5613, Structure Airworthiness Limitations (ALI), revision 01, dated February 08th, 2023, or subsequent revisions approved by ANAC.

(2) Part IV, Airworthiness Limitations (AWL), of EMB 545/550 Aircraft Maintenance Manual, AMM-5613, Certification Maintenance Requirements (CMR), revision 03, dated November 08th, 2024, or subsequent revisions approved by ANAC.

Record compliance with this AD in the applicable maintenance log book.

CONTACT:

For additional technical information, contact:

National Civil Aviation Agency (ANAC)
Continuing Airworthiness Technical Branch (GTAC)
Rua Doutor Orlando Feirabend Filho, nº 230
Centro Empresarial Aquáriu – Torre B – Floors 14 and 15
Parque Residencial Aquáriu
CEP 12246-190 – São José dos Campos – SP
E-mail: pac@anac.gov.br

APPROVAL:

ROBERTO JOSÉ SILVEIRA HONORATO
Head of Airworthiness Department
ANAC

NOTA: Original in Portuguese language signed and available in the files of the Continuing Airworthiness Technical Branch (GGCP) of the National Civil Aviation Agency (ANAC).

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