



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2025-09-01

Effective Date: 11 set. 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. 2025-09-01 - EMBRAER / 39-1590.

APPLICABILITY:

(a) This Airworthiness Directive is applicable to Embraer S.A. airplanes models as specified in paragraphs (a)(1) and (a)(2) of this AD.

- (1) Airplane models EMB 145, EMB 145ER, EMB-145EP, EMB-145EU, EMB-145LR, EMB-145LU, EMB-145MK, EMB-145MP, EMB-145MR e EMB-145XR in operation.
- (2) Airplane models EMB-135ER, EMB-135LR, EMB-135KE e EMB-135KL 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). For airplanes that have been previously modified, altered, repaired in the areas addressed by these inspections, the operator may not be able to accomplish the inspections described in the revisions. In this situation, to comply with RBAC 91.403(c), the operator must request approval for an alternative method of compliance according to paragraph (d) of this AD. The request should include a description of changes to the required inspections procedure that ensure the continued damage tolerance of the affected structure.

CANCELLATION / REVISION:

Not applicable.

REASON:

This AD was prompted by a new revision to the airworthiness limitations of the Maintenance Review Board Report.

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 maintenance or inspection program, as applicable, to incorporate the applicable Airworthiness Limitations (Certification Maintenance Requirements, Airworthiness Limitation Inspections, Fuel System Limitation Items, and Life Limited Items).

COMPLIANCE:

Required as indicated below, unless already accomplished.

(b) 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 applicable Certification Maintenance Requirements, Airworthiness Limitation Inspections, Fuel System Limitation Items, and Life Limited Items in paragraph **(b) (1)** and **(b)(2)**, of this AD.

(1) Incorporate the information in Appendix 1, Certification Maintenance Requirements, of ERJ 135/145 Maintenance Review Board Report, MRBR-145/1150, Revision 18, dated February 01st, 2017, or subsequent revisions approved by ANAC.

(2) Incorporate the information in Appendix 2, Airworthiness Limitation Requirements, of ERJ 135/145 Maintenance Review Board Report, MRBR-145/1150, Revision 24, dated April 25th, 2025, or subsequent revisions approved by ANAC.

(c) Alternative actions and intervals

After accomplishing the actions required by paragraph **(b)** of this AD, alternative inspections or inspection intervals may not be used unless the alternative inspection or interval is published in revisions of MRB-145/1150 approved by ANAC later revision 18 of Appendix 1, dated February 01st, 2017, and the revision 24 of Appendix 2, dated April 25th, 2025 or approved as an alternative method of compliance (AMOC) in accordance with the procedure specified in paragraph **(d)** of this AD.

(d) 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.

(e) 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) Appendix 01, Certification Maintenance Requirements, of ERJ 135/145 Maintenance Review Board Report, MRBR-145/1150, Revision 18, dated February 01st, 2017.

(2) Appendix 02, Airworthiness Limitations Requirements, of ERJ 135/145 Maintenance Review Board Report, MRBR-145/1150, Revision 24, dated April 25th, 2025.

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

CONTACT:

For additional technical information, contact:

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APPROVAL:

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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).

Referência: Processo nº 00066.006493/2025-93

SEI nº 12016745