



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2026-01-01

Effective Date: 12 Jan. 2026

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. 2026-01-01 - EMBRAER / 39-1596.

APPLICABILITY:

This Airworthiness Directive applies to Embraer aircraft models ERJ190-300 and ERJ190-400.

CANCELLATION / REVISION:

N/A.

REASON:

It was identified occurrences of compressor stall in PW1100 engines in freezing fog conditions with low visibility and low temperatures during ground operations. An investigation into this issue is currently being conducted.

The engine compressor stall condition leads to loss of engine thrust and, since there is the possibility of the condition occurring simultaneously in engines in the meteorological conditions above, if not corrected, could result in multiple engine failure during a critical flight phase (takeoff), possibly leading to the loss of control of the airplane.

Since this condition may occur in engines of the PW1900 family installed in aircraft models listed in the applicability of this AD, and affects flight safety, immediate corrective action is required. Thus, sufficient reason exists to mandate compliance with this AD in the indicated time limit without prior notice.

To correct this potentially unsafe condition, Embraer has issued the Operational Bulletin 190E2-001/25, Revision 01, dated 14 November 2025, with operational limitations under freezing fog (FZFG) conditions on ground.

REQUIRED ACTION:

Adoption of operational limitations on ground under freezing fog (FZFG) conditions with visibility below 110 meters (370 ft) and temperature of +3°C (37°F) or below.

COMPLIANCE:

Required as indicated below, unless already accomplished.

(a) Operational Limitations

(1) Within 7 days after the effective date of this AD, if the crew intention is flight:

(i) Do not start or operate the engines, or take off if the local meteorological conditions are ground freezing fog (FZFG), with visibility below 110 meters (370 ft) and temperature of +3°C (37°F) or below.

(ii) Insert a copy of this AD in the limitations section of the AFM, *ICE AND RAIN PROTECTION, OPERATION IN ICING CONDITIONS*.

(b) Alternative methods of compliance (AMOCs).

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.

The adoption of ANAC approved AFM revisions updated with the limitations required by this AD constitutes an acceptable alternative compliance method to this AD.

(c) Material Incorporated by Reference

Further information about the requirements of this AD is described in the Embraer Operational Bulletin 190E2-001/25 – *Engines Operation in Ground Freezing Fog*, Revision 1, dated 14 November 2025, or later revisions approved by ANAC.

CONTACT:

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APPROVAL:

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