



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2025-01-01

Effective Date: 20 Jan. 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. 2025-01-01 - EMBRAER / 39-1578.

APPLICABILITY:

(a) This Airworthiness Directive (AD) applies to Embraer S.A airplanes, according to paragraphs (a)(1) and (a)(2) of this AD.

(1) Airplane model ERJ 190-300, all serial numbers.

(2) Airplane model ERJ 190-400, all serial numbers.

CANCELLATION / REVISION:

Not applicable.

REASON:

An inconsistency was identified in the CAFM (Computerized Aiplane Flight Manual) Takeoff Calculation Module of the ERJ 190-300 and ERJ 190-400 airplane models. This inconsistency may lead to an erroneous calculation, and in certain operating conditions and airports, the airplane may not be able to overcome obstacles in the first segment of the takeoff flight path in case of an engine failure.

Since this condition may occur in other airplanes and affects flight safety, corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit.

REQUIRED ACTION:

Airplane Flight Manual (AFM) Revision

COMPLIANCE:

Required as indicated below, unless already accomplished.

(b) Airplane Flight Manual Revision

(1) For airplanes identified in paragraph (a)(1) of this AD, within 45 days after the effective date of this AD, update the Supplement 1 of the AFM, “Supplement 1: Computerized Airplane Flight Manual”, to incorporate the CAFM version 2.0 or further version, as approved versions in the Limitations block, according to the airplane configuration as listed in table 1 below:

Table 1 – AFM Revisions that include CAFM version required by this AD for ERJ 190-300

AFM	AFM Revision	Engine	ID
AFM-5691 (ANAC)	20	PW1919G	S-01-05-201-003-A
		PW1922G	S-01-05-201-004-A
AFM-5692 (FAA)	13	PW1919G	S-01-05-201-202-A
		PW1922G	S-01-05-201-203-A
AFM-5693 (EASA)	21	PW1919G	S-01-05-201-402-A
		PW1922G	S-01-05-201-403-A

(2) For airplanes identified in paragraph (a)(2) of this AD, within 45 days after the effective date of this AD, update the Supplement 1 of the AFM, “Supplement 1: Computerized Airplane Flight Manual”, to incorporate the CAFM version 2.0 or further version, as approved versions in the Limitations block, according to the airplane configuration as listed in table 2 below:

Table 2 – AFM Revisions that include CAFM version required by this AD for ERJ 190-400

AFM	AFM Revision	Engine	ID
AFM-5691 (ANAC)	20	PW1921G	S-01-05-201-004-B
		PW1923G	S-01-05-201-005-B
		PW1923G-A	S-01-05-201-006-B
AFM-5692 (FAA)	13	PW1921G	S-01-05-201-203-B
		PW1923G	S-01-05-201-204-B
		PW1923G-A	S-01-05-201-205-B
AFM-5693 (EASA)	21	PW1921G	S-01-05-201-403-B
		PW1923G	S-01-05-201-404-B
		PW1923G-A	S-01-05-201-405-B

(c) Alternative methods of compliance (AMOCs).

A different method or a different compliance time from the requirements of this AD

may be used if approved by the Manager of the Continuing Airworthiness Technical Branch (GTAC) of 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 (GTAC) of the National Civil Aviation Agency (ANAC).

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