



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2023-04-02

Effective Date: 11 Apr. 2023

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. 2023-04-02 - EMBRAER / 39-1518.

APPLICABILITY:

(a) This Airworthiness Directive (AD) applies to Embraer S.A. ERJ 190-300 and ERJ 190-400 airplane model, all serial numbers.

CANCELLATION / REVISION:

Not applicable.

REASON:

It was identified that the method to calculate level-off altitude by the Computerized Aircraft Flight Manual (CAFM) in airplane models ERJ 190-300 and ERJ 190-400, may result in a non-conservative level-off height. In case of an engine failure during a takeoff, the airplane may not be able to overcome obstacles when the airport is limited to obstacle clearance in the acceleration segment.

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:

To update the Aircraft Flight Manual (AFM).

COMPLIANCE:

Required as indicated below, unless already accomplished.

(b) Terminating action

For airplanes identified in paragraph (a) of this AD, within 60 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 1.9 or further versions for aircraft model ERJ 190-300 or CAFM version 1.5 or further versions for aircraft model ERJ 190-400, as approved versions in the Limitations block.

AFM	AFM Revision	CAFM Version	Airplane
AFM-5691 (ANAC)	13	1.9	ERJ 190-300
		1.5	ERJ 190-400
AFM-5692 (FAA)	8	1.9	ERJ 190-300
		1.5	ERJ 190-400
AFM-5693 (EASA)	15	1.9	ERJ 190-300
		1.5	ERJ 190-400

Table 1 – AFM Revisions that include CAFM version required by this AD

(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:

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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).

Referência: Processo nº 00066.001023/2023-71

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