



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2008-03-01R1

Effective Date: 14 July 2008

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 de Homologação Aeronáutica (RBHA) 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. 2008-03-01R1 - EMBRAER - Amendment 39-1238.

APPLICABILITY:

This Airworthiness Directive is applicable to Embraer ERJ 170 aircraft of models -100 STD, -100 LR, -100 SU, -100 SE, -200 STD, -200 LR and -200 SU.

CANCELLATION / REVISION:

This AD cancels and supersedes AD No. 2008-03-01 original issue - Amdt 39-1231, dated 14 Apr. 2008, and is being issued to interrupt the installation of Full-Authority Digital Engine-Control (FADEC) software 8Ev5.40 and to return to the installation of software 8Ev5.30.

REASON:

Several instances of commanded in-flight shut down (IFSD) have been reported during use of FADEC with software 8Ev5.40. These events have been traced to a logic error on the referred software. This occurrence is judged to have a high exposure rate than that considered in original issue of this AD.

This AD is necessary to prevent possible dual engine loss of thrust control where both engine could be commanded to idle.

Since this condition affects flight safety, a corrective action is required. Thus, sufficient reason exists to request compliance with this AD in the indicated time limit without prior notice.

REQUIRED ACTION:

Rework of engines FADEC to return to the installation of software 8Ev5.30.

COMPLIANCE:

Required as indicated below unless already accomplished.

Within the next 600 flight hours after the effective date of this AD, rework the engines FADECs that have installed the software 8Ev5.40 to return to software version 8Ev5.30. Case the FADEC does not have the software 8Ev5.40 installed, no additional action is required.

NOTE: The above procedure is considered an interim solution until a final action is identified, at which time the ANAC may consider the issuance of a further rulemaking.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Alert Service Bulletin No. 170-73-A005.

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

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NOTE: Original in Portuguese language signed and available in the files of the Aeronautical Products Certification Branch (GGCP) of the National Civil Aviation Agency (ANAC).