



**AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL**

**BRAZILIAN AIRWORTHINESS DIRECTIVE**

**AD No.: 2008-03-01R2**

**Effective Date: 19 Mar. 2009**

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. 2008-03-01R2 - EMBRAER - Amendment 39-1263.**

**APPLICABILITY:**

This Airworthiness Directive (AD) applies to Embraer model ERJ 170-100 STD, ERJ 170-100 LR, ERJ 170-100 SU, ERJ 170-100 SE, ERJ 170-200 STD, ERJ 170-200 LR and ERJ 170-200 SU airplanes.

**CANCELLATION / REVISION:**

This AD cancels and supersedes the AD No. 2008-03-01R1 – Amdt 39-1238, dated 14 July 2008, and is being issued to introduce a new Full Authority Digital Engine Control (FADEC) software version.

**REASON:**

It was found the occurrence of commanded engine in-flight shutdowns (IFSD) due to logical error in the FADEC software version V5.40. This software version was introduced in the fleet to avoid excessive thrust in flight condition due to problems in the Fuel Metering Valve (FMV) caused by FADEC software version V5.30. The engines thrust control loss may reduce the aircraft controllability.

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

**REQUIRED ACTION:**

Replacement of engines FADEC software version.

**COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 1200 flight hours after the effective date of this AD, replace the current engines FADEC software version by the new version V5.41 or any further FADEC software version approved by the ANAC.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 170-73-0006 original issue, or further revisions approved by the ANAC.

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

**CONTACT:**

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**APPROVAL:**

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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).