



REPÚBLICA FEDERATIVA DO BRASIL  
AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – ANAC

## BRAZILIAN AIRWORTHINESS DIRECTIVE

**AD No.: 2005-03-01R1**

**Effective Date: 19 Jun. 2006**

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. 2005-03-01R1 - EMBRAER - Amendment 39-1139.**

**APPLICABILITY:**

This Airworthiness Directive is applicable to all Embraer ERJ-170() aircraft models in operation.

**CANCELLATION / REVISION:**

This AD cancels and supersedes the AD No. 2005-03-01, original issue – Amdt 39-1070, dated 21 mar. 2005, and is being revised to introduce a final action to the previously imposed limitation.

**REASON:**

It has been found the occurrence of cases where, when following ILS guidance to runways which were not included on the FMS flight plan, in some particular instances the autopilot applied large-amplitude control inputs, which can lead to hazardous aircraft maneuvers close to the ground.

Since this condition may occur in other airplanes 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 without prior notice.

**REQUIRED ACTION:**

Modification of the autopilot engaged ILS approach procedures; or alternatively, installation of Software P/N PS7027709-00113 (load 17.3 version), or later versions, in the Primus EPIC Integrated Avionic System.

**COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 15 calendar days after 21 Mar. 2005, the effective date of the original issue of this AD, modify the section "Limitations" of the aircraft flight manual (AFM), to include the following text at the "Autopilot" subsection:

***"Before initiating an approach to landing with AUTOPILOT engaged make sure the correct ILS identifier has been inserted on the FMS PROGRESS PAGE 1/3, Lines 5L and 5R."***

**NOTE 1:** The inclusion of a copy of this AD at the AFM is considered an acceptable alternate means of compliance to this AD.

**NOTE 2:** After the effective date of the this revision of the AD, the current EPIC software may be updated to load 17.3 version, as described in the Embraer Service Bulletin No. 170-31-0013, or further revisions approved by ANAC. The installation of load 17.3 version constitutes an alternate method to the restriction imposed by the flight manual described above.

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 Agency of Civil Aviation (ANAC).