



REPÚBLICA FEDERATIVA DO BRASIL  
AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – ANAC

## BRAZILIAN AIRWORTHINESS DIRECTIVE

**AD No.: 2004-12-03R1**

**Effective Date: 14 July 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. 2004-12-03R1 - EMBRAER - Amendment 39-1145.**

**APPLICABILITY:**

This Airworthiness Directive is applicable to all Embraer EMB-145() and EMB-135() aircraft models in operation, except those equipped with the "Head-Up Guidance System (HGS) Flight Dynamics Model 3300".

**CANCELLATION / REVISION:**

This AD cancels and supersedes the AD No. 2004-12-03, original issue, Amdt 39-1066, dated 14 Jan. 2005, and is being issued to exempt temporarily the accomplishment of its AD the airplanes equipped with "Head-Up Guidance System (HGS) Flight Dynamics Model 3300", due to incompatibility presented by this system with the software version 20.5 (phase 10.5) from EICAS.

**REASON:**

It has been found that the performance of the digital flight data recorder (DFDR) does not meet the applicable operations requirements, impairing eventual accident investigations.

Since this condition exists 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:**

Updating of the EICAS system software.

**COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 18 calendar months after 14 Jan. 2005, the effective date of the original issue of this AD, install software version 20.5 (phase 10.5) or higher in both EICAS of the aircraft.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletins Nos. 145-31-0042, original issue, or 145LEG-31-0007, original issue, or further revisions approved by the ANAC.

**NOTE:** The airplanes excluded from this AD applicability will be exempted from compliance until a new EICAS software version that does not present incompatibility with the Head-Up Guidance System (HGS) Flight Dynamics Model 3300 is available.

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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**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).