



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL - BRASIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No. 2006-11-02

Effective Date: 16 Nov. 2006

The following Brazilian Airworthiness Directive (AD), issued by the Departamento de Aviação Civil (DAC) 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. 2006-11-02 - EMBRAER - Amendment 39-1160.

APPLICABILITY:

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

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found that some "caution" messages issued by the Flight Guidance Control System (FGCS) are not displayed on aircraft equipped with EPIC software load 17.3 or 17.5. Therefore, following a possible failure on one FGCS channel during a given flight, such a failure condition will remain undetected or latent in subsequent flights. If another failure occurs on the second FGCS channel, the result may be a command hardover by the autopilot.

Since this condition exists in other aircraft 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:

Functional check of the Flight Guidance Control System

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 300 flight hours after the effective date of this AD, and thereafter at intervals that do not exceed 600 flight hours, carry out a functional test in accordance with Embraer Service Bulletin No. 170-22-0003 to check the Flight Guidance Control System (FGCS) channels engagement.

NOTE 1: For the purpose of this AD, a functional check is: "A quantitative check to determine if one or more functions of an item perform within specified limits."

NOTE 2: The above procedures are considered as 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 Service Bulletin No. 170-22-0003, original issue, or further revisions approved by the ANAC.

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

CONTACT:

For additional technical information, contact:
National Civil Aviation Agency (ANAC)
Aeronautical Products Certification Branch (GGCP)
Praça Mal.Eduardo Gomes, 50 - Vilas das Acácias (Prédio do CTA-IFI)
Fax: 55 (12) 3941-4766
12228-901 – São José dos Campos – SP
E-mail: pds@ifi.cta.br

For acquisition, contact:
National Agency Civil Aviation (ANAC)
Publications Branch
R. Santa Luzia, 651, 2º Mezanino, Centro
Fax: 55 (21) 3814-6929
20030-040 - Rio de Janeiro - RJ, BRAZIL.
e-mail: publicacoes@anac.gov.br

APPROVAL:

CLÁUDIO PASSOS SIMÃO
General Manager
GGCP

MILTON ZUANAZZI
Director-President
ANAC

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).