



SERVIÇO PÚBLICO FEDERAL
DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE

29 Jun. 2005

AD No.:

2005-06-01

The following 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. 2005-06-01 - EMBRAER - Amendment 39-1079.

APPLICABILITY:

This Airworthiness Directive is applicable to all Embraer EMB-120() aircraft models in operation.

CANCELLATION / REVISION:

Not applicable.

REASON:

This AD was prompted by an alteration of the certification criteria originated by occurrences involving fuel tank explosions on several large transport airplanes, from several manufacturers, which have resulted in a demand for a re-evaluation of the fuel systems of previously approved designs, according to the more restrict flammability criteria. The actions identified in this AD are necessary to reduce the potential of ignition sources in the vicinity of the fuel tanks, which, in combination with flammable fuel vapors, could result in fuel tank explosions and consequent loss of the airplane.

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.

REQUIRED ACTION:

Modification, alteration on routing and installation of a protection on the wing root harnesses.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 5000 flight hours after the effective date of this AD, modify the fastening of the harnesses installed at the wing root (LH and RH sides), alter the routing of the right outboard flap actuator harness, and install an anti-chaffing protection on those harnesses.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 120-24-0059, original issue, or further revisions approved by the CTA.

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

CONTACT:

For additional technical information, contact:

Centro Técnico Aeroespacial - CTA
Instituto de Fomento e Coordenação Industrial - IFI
Divisão de Certificação de Aviação Civil - CAVC
Praça Mal. Eduardo Gomes, 50 - Vila das Acácias
Caixa Postal 6001
Fax: 55 (12) 3941-4766
12231-970 - São José dos Campos - SP, BRAZIL.
e-mail: pds@ifi.cta.br

For acquisition, contact:

Departamento de Aviação Civil - DAC
Seção de Publicações do DAC (4GAB-4)
R. Santa Luzia, 651, 2º Mezanino, Centro
Fax: 55 (21) 3814-6929
20030-040 - Rio de Janeiro - RJ, BRAZIL.
e-mail: publicacoes@dac.gov.br

APPROVAL:

GERALDO CURCIO NETO Ten Cel Av
Chief of the Civil Aviation Certification Division
IFI/CTA

LUIZ ALBERTO C. MUNARETTO Cel Av
Director of the Industrial Coordination and Fostering Institute
CTA

NOTE: Original in Portuguese language signed and available in the files of the Registro Geral de Aeronavegabilidade (RGA/TE-1/STE) of the Departamento de Aviação Civil.