



SERVIÇO PÚBLICO FEDERAL

DEPARTAMENTO DE AVIAÇÃO CIVIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE

30 Apr. 2005

AD No.:

2005-04-04

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. 2005-04-04 - EMBRAER - Amendment 39-1076.

APPLICABILITY:

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

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found the occurrence of an in-flight event where all voice communications were lost due to a lightning strike that has damaged all the aircraft radio VHF antennas.

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:

Replacement of the VHF antenna by another bearing a new P/N.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 700 flight hours after the effective date of this AD, replace the VHF antenna installed in position 1 of the fuselage, P/N 16-21B Mod.2, by another bearing a new P/N that has been qualified to withstand lightning strikes.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 170-23-0005, 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:

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APPROVAL:

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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.