



SERVIÇO PÚBLICO FEDERAL

DEPARTAMENTO DE AVIAÇÃO CIVIL

# BRAZILIAN AIRWORTHINESS DIRECTIVE

EFFECTIVE DATE:

02 Jun. 2004

AD No.:

2004-05-02

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. 2004-05-02 - EMBRAER - Amendment 39-1024.**

### **APPLICABILITY:**

This Airworthiness Directive is applicable to all Embraer EMB-145() and EMB-135() aircraft models in operation.

### **CANCELLATION / REVISION:**

Not applicable.

### **REASON:**

It has been found the occurrence of smoke in the passenger cabin coming from the passenger service units (PSU), due to a failure on the printed circuit boards as a result of a manufacturing non-conformity.

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 PSU printed circuit boards.

### **COMPLIANCE:**

Required as indicated below, unless already accomplished.

Within the next 90 calendar days after the effective date of this AD, verify the P/N and serial numbers of all printed circuit boards of the PSU's, either installed on the aircraft or held in stock, and replace all printed circuit boards manufactured by C&D Aerospace and bearing P/N 7277220-501 and of serial numbers between 2108 and 6008, inclusive, with a non-affected unit.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 145-25-0277, 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.