



AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL – BRAZIL

BRAZILIAN AIRWORTHINESS DIRECTIVE

AD No.: 2007-08-04

Effective Date: 27 Aug. 2007

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. 2007-08-04 - EMBRAER - Amendment 39-1199.

APPLICABILITY:

This Airworthiness Directive is applicable to all Embraer ERJ-190() aircraft models in operation.

CANCELLATION / REVISION:

Not applicable.

REASON:

It has been found that the implementation of the Inertial Reference Units (IRU) on the ERJ-190 may lead, in certain degraded modes, to an erroneous Flight Path Angle (FPA) indication on both Primary Flight Displays, with no alert to the flight crew. On the ERJ-190, FPA is considered as important as pitch and bank angle for piloting purposes.

Since this condition 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:

Removal of some wiring connections in the electrical connectors of both Inertial Reference Units.

COMPLIANCE:

Required as indicated below, unless already accomplished.

Within the next 18 months after the effective date of this AD, remove the wiring connections from pins 51 and 52 in the electrical connectors of both Inertial Reference Units.

The detailed instructions and procedures to accomplish this AD are described in the Embraer Service Bulletin No. 190-34-0009 original issue, or further revisions approved by the ANAC.

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

CONTACT:

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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 Civil Aviation Agency (ANAC).