AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below issues the following Airworthiness Directive (AD) under subregulation 39.001(1) of CASR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

Embraer ERJ-190 Series Aeroplanes

AD/ERJ-190/22 Wing Stub Rear Box Vapour Barrier Assembly 10/2009

Applicability: Model ERJ 190-100 IGW, -100 LR, -100 STD, -200 IGW, -200 LR and -200 STD aircraft, serial numbers 19000002, 19000004, 19000006 through 19000108, 19000110 through 19000139, 19000141 through 19000158, 19000160 through 19000176, 19000178 through 19000202, 19000204 through 19000213 and 19000215.

Requirement: Action in accordance with the requirements of ANAC AD 2009-07-02 Amdt 39-1275.

Note: Embraer Service Bulletin No.190-57-0027 original issue, or later ANAC approved revision, refers.

Compliance: As specified in the Requirement document, with a revised effective date of 24 September 2009.

This Airworthiness Directive becomes effective on 24 September 2009.

Background: The manufacturer has determined that there could be missing sealant on the vapour barrier assembly in the wing stub (centre section) rear box. In the event of fuel tank leakage in the area of the wing stub rear box, and an associated inadequately sealed vapour barrier assembly, the migration of flammable vapours and fluids to the middle electronic bay could occur. In the presence of an ignition source this situation could lead to an uncontained fire.

David Villiers
Delegate of the Civil Aviation Safety Authority

13 August 2009