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 EMB-135 and EMB-145 Series Aeroplanes

AD/EMB-145/9 Ventral Fuel Tank Refuelling Line 8/2008

Applicability: EMB-145XR model aircraft with serial numbers listed in Table 1.

Table 1

145590	145677	145727	145782
145643	145681	145731 thru 145733	145786
145645	145683	145735	145787
145646	145684	145739	145791
145649	145688 thru 145690	145741	145792
145650	145693	145745	145799
145654	145697	145746	14500805
145655	145700	145749	14500808
145657 thru 145660	145703 thru 145705	145751	14500811
145662	145708	145753	14500817
145664	145712	145756	14500819
145666	145714	145758	14500831
145672	145718	145759	14500834
145674	145719	145761	
145675	145721	145772	

Requirement: Unless previously accomplished, install a bonding jumper between the pilot valve line tube and the pressure refuelling system tube, after removing ventral fuel tank access panel 196FR, as described in the Embraer Service Bulletin 145-28-0026, original issue, or further revisions approved by the Brazilian Agência Nacional de Aviação Civil (ANAC).

Note: ANAC AD 2006-12-01 refers.

Compliance: Within the next 10,000 hours time in service (TIS) for aircraft with less than 5,000 hours TIS, or within the next 5,000 hours TIS for aircraft with more than 5,000 hours, TIS after 4 January 2007 (the effective date ANAC AD 2006-12-01).

This Airworthiness Directive becomes effective on 31 July 2008.

Embraer EMB-135 and EMB-145 Series Aeroplanes

AD/EMB-145/9 (continued)

Background: The ANAC has advised that the refuelling line inside the ventral fuel tank on the Embraer EMB-145XR aircraft model is not protected in accordance with SFAR-88 requirements. This Directive corrects that anomaly by the installation of a bonding jumper between the pilot valve line tube and the pressure refuelling system tube.

James Coyne
Delegate of the Civil Aviation Safety Authority

16 June 2008