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-170 Series Aeroplanes

AD/ERJ-170/17 Aircraft Maintenance Plan 11/2008

Applicability: Embraer ERJ 170-100 STD, ERJ 170-100 LR, ERJ 170-100 SU, ERJ 170-100 SE, ERJ 170-200 STD, ERJ 170-200 LR and ERJ 170-200 SU aircraft models.

Requirement: Alter the Maintenance Plan for the Embraer ERJ 170 aircraft, according with the following:

1. Include tasks Nos. 27-11-03-003, 27-41-01-005 and 27-81-01-002; and

2. Revise the interval of tasks Nos. 27-11-00-002 and 27-11-11-001, as shown at the Temporary Revision No. 1-3 to the MRBR, dated 15 December 2004.

Alternative Means of Compliance

The adoption of revision 2 to the MRBR for the Embraer ERJ 170 aircraft, or later approved revisions by the *AGÊNCIA NACIONAL DE AVIAÇÃO CIVIL* (ANAC), is considered as an alternate mean of compliance with this AD.

Whenever there is a requirement for a maintenance action derived from the maintenance plan alteration described above to be accomplished in less than 700 flight hours after 20 April 2005, this action may be postponed to be accomplished within the next 700 flight hours after 20 April 2005.

Note 1: ANAC AD 2005-03-02R1 dated 11 August 2008 refers.

Note 2: ANAC AD 2005-03-02R1 supersedes AD 2005-03-02 which is listed in Table 1 of AD/ERJ-170/2. For the purposes of AD/ERJ-170/2, ANAC AD 2005-03-02 original issue is no longer applicable.

Compliance: Within the next 30 calendar days after the effective date of this AD unless previously accomplished.

This Airworthiness Directive becomes effective on 23 October 2008.

Background: A review of the aileron and flap/slat flight controls systems safety assessment analysis of the Embraer ERJ 170 aircraft, conducted after type certification of the aircraft, has shown that certain assumptions used in the analysis of some dormant faults did not literally comply with the applicable safety assessment criteria. The persistence of those dormant faults, combined with other possible evident faults during a given flight, may lead to a significant reduction in safety margins.

Embraer ERJ-170 Series Aeroplanes

AD/ERJ-170/17 (continued)

In addition, the incorporation of a new horizontal stabilizer actuator on the Embraer ERJ 170 aircraft fleet requires the implementation of new specific maintenance tasks.

James Coyne
Delegate of the Civil Aviation Safety Authority

25 August 2008