
AIRWORTHINESS DIRECTIVE

For the reasons set out in the background section, the CASA delegate whose signature appears below revokes Airworthiness Directive (AD) AD/ARRIUS/6 and issues the following AD under subregulation 39.1 (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.

Turbomeca Turbine Engines - Arrius Series

AD/ARRIUS/6 Engine Electronic Control Unit Software 8/2004
Amdt 1

Applicability: Arrius 2B1, 2B1A, 2B1A_1 and 2B2 turboshaft engines.

Requirement: Modify the engine electronic control units (EECU) software in accordance with the following Turbomeca Service Bulletins:

Engine Model	Service Bulletin
Arrius 2B1 - without overspeed option	319 73 2080 or 319 73 2080 R1
Arrius 2B1 - with overspeed option	319 73 2081 or 319 73 2081 R1
Arrius 2B1A/2B1A_1	319 73 2082 or 319 73 2082 R1
Arrius 2B2	319 73 2090

Note: DGAC AD F-2004-017 R1 refers.

Compliance: Remains unchanged as 'Before 31 May 2004'.

This Amendment becomes effective on 5 August 2004.

Background: The Direction Générale de l'Aviation Civile (DGAC) of France has advised of a simultaneous loss of automatic control of two Arrius engines occurring on a Eurocopter EC 135 T1 helicopter caused by a deficiency in the EECU software.

The original issue of this Directive required either the uploading of an improved software version or the replacement of the EECU with a unit that has the improved software loaded.

This Amendment introduces revised Turbomeca service bulletins, which are also acceptable for compliance, together with removing the 'alert' status from the original service bulletins. No further action is required if the software was modified in accordance with the original service bulletins.

Turbomeca Turbine Engines - Arrius Series

AD/ARRIUS/6 Amdt 1 (continued)

The original issue of this Airworthiness Directive became effective on 15 April 2004.



James Coyne
Delegate of the Civil Aviation Safety Authority

23 June 2004