

	AIRWORTHINESS DIRECTIVE No F-2004-017 R1	Distribution: A	Issue date: March 03, 2004	Page : 1/2
	Direction générale de l'aviation civile France This Airworthiness Directive is published by the DGAC : <input checked="" type="checkbox"/> on behalf of EASA, the Primary Airworthiness Authority for the affected product. <input type="checkbox"/> as the Registration Airworthiness Authority for the affected aircraft..	<i>Translation of « Consigne de Navigabilité » of same number. In case of difficulty, reference should be made to the French issue.</i>		
GSAC publication	No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive, unless otherwise agreed with the Authority of the State of Registry.			
Corresponding foreign Airworthiness Directive(s): Not applicable		Airworthiness Directive(s) replaced: F-2004-017 original issue		
Person in charge of airworthiness: TURBOMECA		Type(s): ARRIUS 2 turboshaft engines		
Type certificate(s) No. M20 TCDS No M20				
ATA chapter: 73	Subject: Fuel system and controls - Automatic control			

1. **EFFECTIVITY:**

This Airworthiness Directive (AD) applies to TURBOMECA turboshaft engines ARRIUS 2B1, 2B1A, 2B1A_1 and 2B2.

2. **REASONS:**

A case of simultaneous loss of automatic control of 2 ARRIUS 2B1 engines occurred during a flight on an EC 135 T1 helicopter.

This loss of automatic control would come, for each engine, from a difference between the position datum of the fuel metering valve and its measured position.

Both engines did not have software modifications introduced by this AD and aiming at increasing the ARRIUS 2 automatic control margin for this kind of variation.

Although the simultaneous transition of both engines to the manual mode does not affect the airworthiness, overwork imposed on pilots during some flight phases is significant for this helicopter. This could lead to an hazardous situation.

The purpose of Revision 1 of this AD is to modify reference publications.

3. **MANDATORY ACTIONS AND COMPLIANCE TIMES:**

Before May 31, 2004, apply, in a mandatory way, Service Bulletins for the following turboshaft engines:

- ARRIUS 2B1 models:
 - Without option overspeed: SB 319 73 2080 R1
 - With option overspeed: SB 319 73 2081 R1



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- ARRIUS 2B1A/2B1A_1 models:
SB 319 732082 R1
- ARRIUS 2B2 models:
SB 319 732090

4. REFERENCE PUBLICATIONS:

Service Bulletin No. 319 73 2080 R1
Service Bulletin No. 319 73 2081 R1
Service Bulletin No. 319 73 2082 R1
Service Bulletin No. 319 73 2090.

5. EFFECTIVE DATES:

Original issue : February 14, 2004
Revision 1 : Upon receipt from March 03, 2004.

6. REMARK:

For questions concerning the technical contents of this AD's requirements, contact:

Support Opérateurs ARRIUS 2
TURBOMECA
64511 BORDES - France
Phone number: 33 (0)5 59 74 40 32 (or 40 71)
Fax number: 33 (0)5 59 74 45 15 (or 45 16).

7. APPROVAL:

This AD is approved under EASA reference No 2004-1618 dated February 24, 2004.