 Direction générale de l'aviation civile France GSAC publication	AIRWORTHINESS DIRECTIVE No F-2005-110		Distribution: A	Issue date: July 06, 2005	Page : 1/2
	This Airworthiness Directive is published by the DGAC on behalf of EASA, Airworthiness Authority of the State of Design for the affected product, part or appliance.			<i>Translation of « Consigne de Navigabilité » of same number. In case of difficulty, reference should be made to the French issue.</i>	
<p align="center">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.</p>					
Corresponding foreign Airworthiness Directive(s): Not applicable			Airworthiness Directive(s) replaced: None		
Person in charge of airworthiness: TURBOMECA			Type(s): TM 333 2B2 turboshaft engines		
Type certificate(s) No. M14 TCDS No M14					
ATA chapter: 77		Subject: Engine indicating - Test of free turbine overspeed protection system			

1. EFFECTIVITY:

This Airworthiness Directive (AD) applies to TURBOMECA turboshaft engines TM 333 2B2 which equip Dhruv Indian helicopters.

2. REASONS:

Investigation of a TURBOMECA ARRIDE 1 engine, with a Free Turbine Overspeed Protection System similar to the TM 333 2B2 one, revealed a malfunction in the stop circuit of this Protection System which cannot be detected through the test defined by the task No 73-21-00-750-801 (March 31st, 2003 issue) of the TM 333 2B2 Maintenance Manual.

A malfunction of the Free Turbine Overspeed Protection System may lead to a non-contained release of high-energy debris from the free turbine in case of a free turbine overspeed event.


3. MANDATORY ACTIONS AND COMPLIANCE TIME:

Following actions are made mandatory, unless already done, from the effective date of this AD:

- 3.1.** Implement Alert Service Bulletin No A333 77 0802 within 25 engine operating hours and at the latest by September 1st, 2005, whichever occurs first.
- 3.2.** Repeat operation of § 3.1. each time task No 73-21-00-750-801 is performed according to the frequency defined for this task in chapter 05-10-00 of the TM 333 2B2 Maintenance Manual.

4. REFERENCE PUBLICATIONS:

Alert Service Bulletin No A333 77 0802 original issue or subsequent approved
 TM 333 2B2 Maintenance Manual Ref X 333 H8 450 2.

	AIRWORTHINESS DIRECTIVE No F-2005-110	Distribution: A	Issue date: July 06, 2005	Page: 2/2
---	--	---------------------------	-------------------------------------	---------------------

5. EFFECTIVE DATE:

July 16, 2005.

6. REMARK:

For questions concerning the technical content of this AD, please contact:

Support Opérateurs TM 333
TURBOMECA
64511 BORDES – France
Fax: 33 (0) 5 59 74 45 15.

7. APPROVAL:

This AD is approved under reference No EASA.E.AD.01003 dated June 28, 2005.

Superseded