


EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2008 - 0101 Date: 26 May 2008 Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.
This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].	
Type Approval Holder's Name : AIRBUS	Type/Model designation(s) : A330 aircraft
TCDS Number : EASA A.004	
Foreign AD : Not applicable	
Supersedure : None	
ATA 72, 73	Engine / Engine Fuel and Control – Intermediate Pressure Turbine Over Speed (IPTOS) Protection - Function Activation
Manufacturer(s): AIRBUS (formerly AIRBUS INDUSTRIE)	
Applicability:	AIRBUS A330 aircraft, -243, -341, -342 and -343 models, all manufacturing serial numbers (MSN) except those on which AIRBUS modification 56722 has been embodied in production or AIRBUS Service Bulletin (SB) A330-73-3049 has been embodied in service. This Airworthiness Directive (AD) is not applicable to the following A330 aircraft fitted with ROLLS ROYCE (RR) Trent 700 engines and not equipped with Multi Mode Receiver (MMR): MSN 0012, 0017, 0071, 0083, 0098, 0099, 0102, 0106, 0109, 0111, 0113, 0118, 0121, 0132, 0138, 0140, 0144, 0148, 0153, 0155, 0165, 0177 and 0244 inclusive.
Reason:	An Operator of A330 aircraft fitted with RR Trent 772 B engines experienced an engine#1 uncontained multiple turbine blade failure. Investigations have shown that High Pressure/Intermediate Pressure (HP/IP) oil vent tubes are prone to be affected by carbon deposit or to be damaged by their outer heat shields leading to a fire inside or outside the vent tube and resulting into IP Turbine (IPT) disc drive arm fracture and thus IPT disc over speed. If not corrected, IPT disc over speed could lead to an uncontained engine failure i.e. multiple turbine blade failure or HP/IP turbine disc burst, which would constitute an unsafe condition.

	In order to protect IPT from over speed, this AD requires to activate Intermediate Pressure Turbine Over Speed (IPTOS) protection function by Data Entry Plug (DEP) reprogramming, which consists in limiting the IPT speed (Engine Thrust) when overheat is detected in IPT, for all A330 aircraft fitted with RR Trent 700 engines and equipped with Multi Mode Receiver.
Effective Date:	09 June 2008
Required action(s) and Compliance Time(s):	<p>Required as indicated, unless already accomplished:</p> <p>No later than 30 June 2009, perform a reprogramming of Data Entry Plug on both engines to activate Intermediate Pressure Turbine Over Speed protection function in accordance with instructions of AIRBUS SB A330-73-3049.</p> <p>Note: The accomplishment of AIRBUS SB A330-73-3049 instructions has an operational consequence. Consequently, the operator must contact Airbus to get associated operational documentation.</p>
Ref. Publications:	<p>AIRBUS Service Bulletin A330-73-3049 Original issue.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</p>
Remarks :	<ol style="list-style-type: none"> 1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 03 April 2008 as PAD 08-047 for consultation until 05 May 2008. No comments were received during the consultation period. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail ADs@easa.europa.eu 4. For any questions concerning the technical content of the requirements in this AD, please contact: AIRBUS SAS – Airworthiness Office – EAL. Fax: + 33 5 61 93 45 80 or + 33 5 61 93 44 51 E-mail: airworthiness.A330-A340@airbus.com.