

| EASA   | AIRWORTHINESS DIRECTIVE   |  |
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|   | <b>AD No.: 2008-0209</b>  |  |
|  | <b>Date: 27 November 2008</b><br><br>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 AD applies, except in accordance with the requirements of that AD 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]. |   |  |
| <b>Type Approval Holder's Name :</b><br><br>AIRBUS   | <b>Type/Model designation(s) :</b><br><br>A330 and A330-200/-300 aircraft   |  |
| TCDS Number : EASA.A.004, EASA.A.015   |   |  |
| Foreign AD : Not applicable  |   |  |
| Supersedure : None   |   |  |
| <b>ATA 28</b>  | <b>Fuel – Fuel Pump Non Return Valve – Operational Test / Replacement / Operational Limitation</b>  |  |
| Manufacturer(s):   | AIRBUS (formerly AIRBUS INDUSTRIE)  |  |
| Applicability:   | AIRBUS A330 aircraft, models -201, -202, -203, -223, -243, -301, -302, -303, -321, -322, -323, -324, -341, -342 and -343, all serial numbers.<br><br>AIRBUS A330 aircraft, models -211, -212, -213, -311, -312 and -313, all serial numbers.  |  |
| Reason:  | <p>An A330 operator has reported an uncommanded engine N°4 shut down during taxi after landing.</p> <p>The root cause of this event has been identified as failure of the fuel pump Non Return Valve (NRV) preventing the collector cell jet pump from working. This led to engine N°4 collector cell fuel level to drop below the pump inlet and consequently causing engine N°4 flame out.</p> <p>A330 aircraft which have a similar design are also impacted by this issue.</p> <p>Multiple NRV failures in combination with failure modes trapping fuel could potentially increase the quantity of unusable fuel on aircraft possibly leading to fuel starvation which could result in engine in-flight shut down and would constitute an unsafe condition.</p> <p>To prevent such an event, this Airworthiness Directive (AD) requires a periodic operational test to check the correct operation of NRV and to apply the associated corrective actions.</p> |  |

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| Effective Date:                            | 11 December 2008  |
| Required action(s) and Compliance Time(s): | <p>Required as indicated:</p> <ol style="list-style-type: none"> <li>Unless already accomplished, <ul style="list-style-type: none"> <li>Perform an operational test for correct functioning of NRV and apply the associated corrective actions in accordance with instructions defined in AIRBUS Service Bulletin (SB) A330-28-3108 or SB A340-28-4123, as applicable:</li> </ul> <p><u>For A330 aircraft :</u></p> <ul style="list-style-type: none"> <li>(a) Before accumulating 10 000 total Flight Hours (FH) from the first flight of the aircraft</li> <li>or</li> <li>(b) within 2 years or 8 000 FH from the effective date of this AD, whichever occurs first,</li> </ul> <p>whichever occurs later between (a) and (b).</p> <p><u>For A340-200/-300 aircraft :</u></p> <ul style="list-style-type: none"> <li>(c) Before accumulating 25 000 total FH from the first flight of the aircraft</li> <li>or</li> <li>(d) within 2 years or 9 000 FH from the effective date of this AD, whichever occurs first,</li> </ul> <p>whichever occurs later between (c) and (d).</p> </li> <li>Repeat this operational test defined in Action (1) of this AD at interval not exceeding : <ul style="list-style-type: none"> <li>For A330 aircraft: 10 000 FH,</li> <li>For A340-200/-300 aircraft: 25 000 FH.</li> </ul> </li> <li>The results of the operational tests required by this AD, whatever they are, must be reported to AIRBUS within 1 month from the test accomplishment date.</li> </ol> |
| Ref. Publications:                         | <p>AIRBUS Service Bulletin A330-28-3108 at original issue;<br/> AIRBUS Service Bulletin A340-28-4123 at original issue.</p> <p>The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.</p>  |
| Remarks :                                  | <ol style="list-style-type: none"> <li>If requested and appropriately substantiated, EASA can accept Alternative Methods of Compliance for this AD.</li> <li>This AD was posted on 21 October 2008 as PAD 08-121 for consultation until 21 November 2008. No comments were received during the consultation period.</li> <li>Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management &amp; Research Section, Certification Directorate, EASA. E-mail <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a>.</li> <li>For any question concerning the technical content of the requirements in this AD, please contact:<br/> AIRBUS SAS –Airworthiness Office - EAL Fax: +33 5 61 93 45 80.</li> </ol>  |