EASA	AIRWORTHINESS DIRECTIVE	
X	AD No.: 2007 - 01	88R1
K	Date: 24 July 200	
No person may operate ar requirements of that Airwo	n aircraft to which an Airworthi orthiness Directive unless othe	ness Directive applies, except in accordance with the erwise agreed with the Authority of the State of Registry.
Type Approval Holder's Name :		Type/Model designation(s) :
AIRBUS		A330 and A340 arcraft
TCDS Number: EAS	A A.004, EASA A.015	
Foreign AD: Not app	licable	
Revision: This AD re	vises Emergency AD 2007	-0188-E
ATA 24 & 49	Electrical Power / Generator - Inspec	Auxiliary tion
Manufacturer( <mark>s)</mark>	AIRBUS (formeny Aff	RBUS INDUSTRIE)
Applicability:	AIRBUS A330 and A3	340 aircraft, all certified models, all serial numbers.
Reason:	Two A330 operators h	nave reported uncontained APU generator failures
	failure with subsequer	ions confirmed an uncontained APU Generator nt aircraft structural damages to the APU one case, to the stabiliser compartment
	which might reduce its	parts can lead to damage to the APU fire wall s fire extinguishing capability, possibly leading to a d fire which constitutes an unsafe condition.
	It has been evidenced initiates a collapse of uncontained failure-Ev	tigations are ongoing to determine the root causes. If that for both events, this unknown root cause the Drive End Bearing (DEB) leading to an vidence shows also that the DEB failures were not erefore, the detection of small debris could indicate ilure.
	Scavenge inlet screer	for detection of large-scale debris in the Generator n (last chance filter) of the APU allowing to identify tate close to failure has been rendered mandatory 1/4

	by Airworthinggo Directive (AD) 2007 0000 D1
	by Airworthiness Directive (AD) 2007-0080-R1.
	The original Emergency Airworthiness Directive (AD) 2007-0188-E mandated a repetitive inspection of the APU Generator Scavenge filter element and filter housing and APU Generator Drain plug for signs of small debris coming from the APU Generator and therefore to detect any APU Generator failure in an early stage.
	This Revision 1:
	<ul> <li>Extends the compliance date for accomplishment of the first inspection from 26 July 2007 to 10 August 2007.</li> </ul>
	<ul> <li>Provides an option to perform the repetitive inspection every 450 Aircraft Flight Hours or every 200 APU operating hours, whichever occurs later.</li> </ul>
Effective Date:	16 July 2007 (effective date of AD 2007-0188-E)
Compliance:	1. For Aircraft delivered before 01 JULY 2007:
·	1.1. No later than 10 August 2007, unless already accomplished,
	In accordance with instructions of paragraph 4.2,1 of the relevant AIRBUS All Operators Telex (AOT) A330-24A3044 or AOT A340-24A4057 or AOT A340-24A5021:
	<ul> <li>clean and inspect the APU Generator scavenge oil filter element and housing for detection of metallic debris, and</li> </ul>
C	<ul> <li>- inspect the APU Generator drain plug for detection of metallic debris, and apply the necessary associated corrective actions.</li> <li>1.2 Within 450 Altrcraft Flight Hours (AFH) or 200 APU operating hours, whichever occurs later, after the inspection defined in paragraph 1.1 of this AD, in accordance with instructions of paragraph 4.2.2 of the relevant AIRBUS AOT A330-24A3044 or AOT A340-24A4057 or AOT A340-24A5021 :</li> </ul>
	<ul> <li>- inspect the APU Generator scavenge oil filter element and housing for detection of magnetic metallic debris,</li> </ul>
	and
	<ul> <li>inspect the APU Generator drain plug for detection of metallic debris,</li> </ul>
	and apply the necessary associated corrective actions.
	1.3 Repeat these inspections defined in paragraph 1.2 at interval not exceeding 450 AFH or 200 APU operating hours, whichever occurs later, and apply the associated corrective actions.
	2. For Aircraft delivered after 01 JULY 2007 included:

	<b>2.1.</b> Within 450 AFH or 200 APU operating hours, whichever occurs later, following the original aircraft delivery date,
	In accordance with instructions of paragraph 4.2.2 of the relevant AIRBUS All Operators Telex (AOT) A330-24A3044 or AOT A340-24A4057 or AOT A340-24A5021:
	<ul> <li>inspect the APU Generator scavenge oil filter element and housing for detection of magnetic metallic debris,</li> </ul>
	and
	- inspect the APU Generator drain plug for detection of metallic debris,
	and apply the necessary associated corrective actions.
	<b>2.2.</b> Repeat these inspections at interval not exceeding 450 AFH or 200 APU operating hours, whichever occurs later and apply the associated corrective actions.
	Alternative Means Of Compliance (AMOC) to inspection defined in
	paragraph 1.1 of this AD:
	Aircraft dispatch is authorised provided one of the options described in paragraph 4.3 of the relevant AIRBUS AOT A330-24A3044 or AOT A340-24A4057 or AOT A340-24A5021 is applied.
	3. ADDITIONAL REQUIREMENTS FOR A330 AIRCRAFT UNDER MMEL item 24-22-01 'AC Main Generation' and/or MMEL item 36- 11-01 'Bleed Air Supply System failure' :
	Unless the APU Generator is deactivated (quill shaft removed) or removed as per MMEL item : The repetitive inspection described in above-mentioned paragraph 1.3 or 2.2. of this AD, must be performed before the first flight of the MMEL interval, when the aircraft is dispatched with APU operating during the entire flight in accordance with MMEL requirements.
Ref. Publications:	AIRBUS All Operators Telex (AOT) A330-24A3044 Original issue or Revision 1;
	AIRBUS AOT A340-24A4057 Original issue or Revision 1;
	AIRBUS AOT A340-24A5021 Original issue or Revision 1
	or later approved revisions of these documents.
Remarks :	<ol> <li>If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOCs) for this AD.</li> </ol>
	<ol> <li>The safety assessment had requested not to implement the full consultation process and an immediate publication and notification. The initial issue was released as an Emergency AD on the 12<sup>th</sup> of July 2007.</li> </ol>
	<ol> <li>Enquiries regarding this Airworthiness Directive should be referred to the AD Focal Point - Certification Directorate, EASA.</li> <li>E-mail: <u>ADs@easa.europa.eu</u>.</li> </ol>

<ol> <li>For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS SAS – Airworthiness Office – EAL E- mail : <u>airworthiness.A330-A340@airbus.com</u>.</li> </ol>

