


EASA	PROPOSED AIRWORTHINESS DIRECTIVE	
	PAD No.: 07 - 170	
	Date: 14 September 2007	
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.		
Type Approval Holder's Name : AIRBUS SAS		Type/Model designation(s) : A330-200 and A340-300 series
TCDS Number: EASA A.004, EASA A.015		
Foreign AD : Not applicable		
Supersedure : None		
ATA 53	Fuselage – Cone/Rear Fuselage – Section 19 - Inspection / Modification	
Manufacturer(s):	AIRBUS (formerly AIRBUS INDUSTRIE)	
Applicability:	AIRBUS aircraft A330-200 and A340-300 series, all certified models, all serial numbers on which AIRBUS modification 44205 has been embodied in production, except those on which AIRBUS modification 52974 or 53223 has been embodied in production.	
Reason:	<p>During fatigue tests (EF3) on the A340-600, multiple damage were found in the upper side shell structure at skin and frame 84 & 85 interface, from stringer 6 to 15 LH/RH. This damage occurred between 58341 and 72891 simulated Flight Cycles (FC).</p> <p>Due to the higher Design Service Goal and different design (e.g. skin thickness) for A330-200 and A340-300 aircraft series, the damage assessment concluded on potential impact on these aircraft series.</p> <p>In order to allow early detection of cracks which could avoid possible crack propagation and consequently to maintain the structural integrity of the upper side shell structure between FR84 and FR87, this Airworthiness Directive (AD) mandates an inspection program of this area using a high frequency eddy current (HFEC) method and a modification to improve the upper shell structure.</p>	
Effective Dates:	Proposed 14 days after final AD issuance	

Compliance:	<p>Required as indicated, unless already accomplished :</p> <p>1. For AIRBUS aircraft A330-200 series [as listed in the applicability of this directive] on which AIRBUS modifications 45012 has been embodied in production:</p> <p>Prior to the accumulation of the following threshold from the first flight of the aircraft, depending on the aircraft configuration, carry out HFEC inspection and modify the upper shell structure between FR84 and FR87 (LH and RH), in accordance with the instructions given in SB A330-53-3152:</p> <table><tr><th rowspan="2">Aircraft configuration</th><th colspan="2">Threshold, whichever occurs first</th></tr><tr><th>Total FC</th><th>Total FH</th></tr><tr><td>Pre-mod 48827 (WV20 to WV27)</td><td>25,400</td><td>N/A</td></tr><tr><td>Post-mod 48827 (WV50 to WV56)</td><td>17,100</td><td>94,700</td></tr></table> <p>2. For AIRBUS aircraft A330-200 and A340-300 series [as listed in the applicability of this directive] on which AIRBUS modification 45012 has NOT been embodied in production:</p> <p>Prior to the accumulation of the following threshold from the first flight of the aircraft, carry out modification of the upper shell structure between FR84 and FR87 (LH and RH) in accordance with the instructions given in SB A330-53-3157 or SB A340-53-4163:</p> <table><tr><th>Aircraft series</th><th>Threshold in Total FC</th></tr><tr><td>A330-200</td><td>6,600</td></tr><tr><td>A340-300</td><td>14,000</td></tr></table>	Aircraft configuration	Threshold, whichever occurs first		Total FC	Total FH	Pre-mod 48827 (WV20 to WV27)	25,400	N/A	Post-mod 48827 (WV50 to WV56)	17,100	94,700	Aircraft series	Threshold in Total FC	A330-200	6,600	A340-300	14,000
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A340-300	14,000																	
Ref. Publications:	AIRBUS Service Bulletin A330-53-3152 original issue; AIRBUS Service Bulletin A330-53-3157 original issue; AIRBUS Service Bulletin A340-53-4163 original issue or later approved revisions of these documents.																	
Remarks :	<p>1. If requested and appropriately substantiated EASA has the authority to accept Alternative Methods of Compliance for this AD.</p> <p>2. The closing date for comments is 28 September 2007.</p>																	

	<ol style="list-style-type: none">3. Enquiries regarding this Airworthiness Directive should be referred to the Airworthiness Directive Focal Point - Certification Directorate, EASA. E-mail: ADs@easa.europa.eu .4. For any question concerning the technical content of the requirements in this AD, please contact AIRBUS SAS –Airworthiness Office – EAL E- mail : airworthiness.A330-A340@airbus.com .
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