

EASA	NOTIFICATION OF A PROPOSAL TO ISSUE AN AIRWORTHINESS DIRECTIVE
	<p>PAD No.: 09-027</p> <p>Date: 03 February 2009</p> <p>Note: This Proposed Airworthiness Directive (PAD) 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.</p>
In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance/cancellation of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below. All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation closing date indicated.	
Type Approval Holder's Name : AIRBUS	Type/Model designation(s) : A330 and A340 Aircraft
TCDS Number : EASA.A.004, EASA.A.015	
Foreign AD : Not applicable	
Supersedure : None	
ATA 26	Fire Protection – Fire Extinguishing System – Replacement / Modification
Manufacturer(s):	AIRBUS (formerly AIRBUS INDUSTRIE)
Applicability:	<p>AIRBUS A330 aircraft, models -201, -202, -203, -223, -243, -301, -302, -303, -321, -322, -323, -341, -342 and -343, all serial numbers except those on which AIRBUS modification (Mod) 55590 has been embodied in production.</p> <p>AIRBUS A340 aircraft, models -211, -212, -213, -311, -312 -313, -541, -542, -642 and -643, all serial numbers except those on which AIRBUS Mod 55590 has been embodied in production.</p> <p>AIRBUS A340 aircraft, models -311, -312 -313, -541, -542, -642 and -643, all serial numbers if fitted with Bulk Cargo Rest Compartment (BCRC) except those on which AIRBUS Mod 56047 has been embodied in production.</p>
Reason:	<p>During the qualification test campaign at the supplier site of the prototype Flow Metering Compact Unit (FMCU) Part Number (PN) QA07907-03, partial blockage of the water absorbing filter element PN QA06123 was observed several times. The blockage was created by carbon debris from the cartridge and from the burst disc of the Halon bottle.</p> <p>This water absorbing filter element is part of Halon Dual-Filter Assembly installed also in the Flow Metering System (FMS) of the cargo compartment Fire Extinguishing System used in the A330 and A340 fleet.</p> <p>Blockage of the water absorbing filter element could lead to reduction of Halon outflow leading to incapacity to maintain fire extinguishing agent</p>

	<p>concentration. Combined with fire this could result in an uncontrolled fire in the affected compartment, which would constitute an unsafe condition.</p> <p>To avoid water absorbing filter element blockage, this AD requires replacement or modification of the Halon dual-filter assemblies of the lower deck cargo compartment fire extinguishing system :</p> <ul style="list-style-type: none"> - in the forward cargo compartment for aircraft fitted with Lower Deck Cargo Compartment (LDCC) and - in the bulk cargo compartment for aircraft fitted with BCRC Fire extinguishing system. <p>Note 1: - The BCRC is embodied in production on A340-300, A340-500 and A340-600 aircraft through the following AIRBUS modifications (list non exhaustive): 47198, 47884, 48895, 48710, 49136, 50107, 50900, 50901 or 51320.</p> <ul style="list-style-type: none"> - the fire extinguishing system for the BCRC is embodied in production on <ul style="list-style-type: none"> -A340-500, A340-600: Mod 47197, (Partial BCRC) - A340-500, A340-600: Mod 47883, (Full BCRC) -A340-300: Mod 50108, (Partial BCRC)
Effective Date:	TBD:14 days after final AD issue date
Required action(s) and Compliance Time(s):	<p>Required as indicated, unless already accomplished:</p> <p>(1) Replace or modify the Halon dual-filter assemblies of the flow metering fire extinguishing system in the forward and bulk cargo compartments, in accordance with instructions defined in AIRBUS Service Bulletin (SB) A330-26-3040 Revision 02 or SB A340-26-4038 Revision 02 or SB A340-26-5019 Revision 02, as applicable:</p> <p><u>Within 18 months from the effective date of this AD:</u></p> <ul style="list-style-type: none"> a) For aircraft fitted with Halon dual-filter assembly PN QA06753. b) For A340 aircraft, models -642 and -643, Weight Variant 101, 102 and 103 fitted with Halon dual-filter assembly PN QA06753-01 or PN QA06753-02. <p><u>Within 24 months from the effective date of this AD:</u></p> <ul style="list-style-type: none"> c) For aircraft other than those listed in b) and fitted with Halon dual-filter assembly PN QA06753-01 or PN QA06753-02. <p>Note 2: - The Halon Dual-Filter Assembly PN QA06753 is embodied in production through Mod 40041.</p> <ul style="list-style-type: none"> - The Halon Dual-Filter Assembly PN QA06753-01 is only embodied in service through SB A330-26-3030 or SB A340-26-4030. - The Halon Dual-Filter Assembly PN QA06753-02 is embodied in production through Mod 47197 or 47883 or 50108 (BCRC) and 51065 or 51329 (LDCC) or in service through SB A330-26-3030 or SB A340-26-4030. <p>(2) Modification of an aircraft, prior to the effective date of this AD, in accordance with the instructions of</p> <ul style="list-style-type: none"> - SB A330-26-3040 at Original issue or Revision 01 or - SB A340-26-4038 at Original issue or Revision 01 or - SB A340-26-5019 at Original issue or Revision 01, <p>as applicable to the aircraft model, is acceptable to comply with the requirements of paragraph (1) of this AD.</p>

	(3) Within 30 days after SB embodiment date, as defined in paragraph (1) of this AD, report the accomplishment to AIRBUS.
Ref. Publications:	<p>AIRBUS Service Bulletin A330-26-3040 at Original issue or Revision 01 or Revision 02;</p> <p>AIRBUS Service Bulletin A340-26-4038 at Original issue or Revision 01 or Revision 02;</p> <p>AIRBUS Service Bulletin A340-26-5019 at Original issue or Revision 01 or Revision 02.</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"> 1. This Proposed AD will be closed for consultation on 03 March 2009. 2. Enquiries regarding this PAD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail ADs@easa.europa.eu. 3. For any questions concerning the technical content of the requirements in this PAD, please contact: AIRBUS – Airworthiness Office – EAL. E- mail: airworthiness.A330-A340@airbus.com.