


EASA	AIRWORTHINESS DIRECTIVE
	<p>AD No.: 2009-0064</p> <p>Date: 12 March 2009</p> <p>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.</p>
<p>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 AD. 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].</p>	
Type Approval Holder's Name : AIRBUS	Type/Model designation(s) : A330 and A340 aeroplanes
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 models -201, -202, -203, -223, -243, -301, -302, -303, -321, -322, -323, -341, -342 and -343 aeroplanes, all serial numbers, except those on which AIRBUS modification 55590 has been embodied in production.</p> <p>AIRBUS A340 models -211, -212, -213, -311, -312 -313, -541, -542, -642 and -643 aeroplanes, all serial numbers, except those on which AIRBUS modification 55590 has been embodied in production.</p> <p>AIRBUS A340 models -311, -312 -313, -541, -542, -642 and -643 aeroplanes, all serial numbers fitted with Bulk Cargo Rest Compartment (BCRC), except those on which AIRBUS modification 56047 has been embodied in production.</p> <p>Note 1: - The BCRC is embodied in production on A340-300, A340-500 and A340-600 aeroplanes through the following AIRBUS modification (list non exhaustive): 47198, 47884, 48895, 48710, 49136, 50107, 50900, 50901 or 51320.</p> <p>- the fire extinguishing system for the BCRC is embodied in production on:</p> <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).

Reason:	<p>During the qualification test campaign at the supplier site of the prototype Flow Metering Compact Unit (FMCU) Part Number (P/N) QA07907-03, partial blockage of the water absorbing filter element P/N 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 aeroplanes.</p> <p>Blockage of the water absorbing filter element could lead to reduction of Halon outflow, leading to incapacity to maintain fire extinguishing agent 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 aeroplanes fitted with Lower Deck Cargo Compartment (LDCC) and - in the bulk cargo compartment for aeroplanes fitted with Bulk Cargo Rest Compartment (BCRC) fire extinguishing system.
Effective Date:	26 March 2009
Required action(s) and Compliance Time(s):	<p>Required as indicated, unless already accomplished:</p> <ol style="list-style-type: none"> 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: <ul style="list-style-type: none"> <u>Within 18 months from the effective date of this AD:</u> <ol style="list-style-type: none"> a) For aeroplanes fitted with Halon dual-filter assembly P/N QA06753. b) For A340 models -642 and -643 aeroplanes, Weight Variant 101, 102 and 103 fitted with Halon dual-filter assembly P/N QA06753-01 or P/N QA06753-02. <u>Within 24 months from the effective date of this AD:</u> <ol style="list-style-type: none"> c) For aeroplanes other than those listed in 1.b) and fitted with Halon dual-filter assembly P/N QA06753-01 or P/N QA06753-02. <p>Note 2: - The Halon Dual-Filter Assembly P/N QA06753 is embodied in production through modification 40041.</p> <ul style="list-style-type: none"> - The Halon Dual-Filter Assembly P/N QA06753-01 is only embodied in service through SB A330-26-3030 or SB A340-26-4030. - The Halon Dual-Filter Assembly P/N QA06753-02 is embodied in production through modification 47197 or 47883 or 50108 (BCRC) and 51065 or 51329 (LDCC) or in service through SB A330-26-3030 or SB A340-26-4030. 2. Modification of an aeroplane, prior to the effective date of this AD, in accordance with the instructions of: <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, as applicable to the aeroplane model, is acceptable to comply with the requirements of paragraph 1. of this AD.

	<p>3. Within 60 days after SB embodiment date, as defined in paragraph 1. of this AD, report the accomplishment to AIRBUS.</p>
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. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was published on 03 February 2009 as PAD 09-027 for consultation until 03 March 2009. The Comment Response Document can be found at http://ad.easa.europa.eu/. 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 question concerning the technical content of the requirements in this AD, please contact: AIRBUS – Airworthiness Office – EAL. Fax: +33 5 61 93 45 80 or + 33 5 61 93 44 51. E- mail: airworthiness.A330-A340@airbus.com