

**LUFTVÄRDIGHETSDIREKTIV (LVD)**

I - Nödutrustning  
Brandsläckare Halon 1211  
LVD Nr 2-3384R1  
Upphäver LVD Nr 2-3384

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**Sektion 2. Utlandstillverkad flygmateriel**

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Denna LVD har utfärdats för att omfatta alla de nationella luftfartyg som inte regleras av EASA utan av det svenska regelverket BCL-M.

- TITEL:** Inspektion/byte av Brandsläckare Halon 1211
- GÄLLER:** Brandsläckare Halon 1211(BCF), märkt med Part nummer(P/N) och serie nummer (s/n) i Fire Fighting Enterprises Ltd (FFE) Alert Service bulletin ASB 26-115.
- REVISION:** Revision1 har blivit utgiven på grund av att den ska tillhöra grupp Nödutrustning och inte Hjälpapparater. Revisionen anses omhändertagen och utförd om den tidigare utgåvan av denna LVD har utförts.
- ÅTGÄRD:** Utför åtgärder i enlighet med bifogad EASA AD 2009-0262. Refererad AD finns även tillgänglig på följande Internetadress:  
<http://ad.easa.europa.eu/>
- TID FÖR ÅTGÄRD:** Enligt EASA AD 2009-0262, men med denna LVD:s beslutsdatum som utgångspunkt.
- UNDERLAG:** Enligt EASA AD 2009-0262 och Alert Service bulletin ASB 26-115 daterad december 2009 som finns tillgänglig på följande internetadress:  
<http://www.firecmm.com/>
- För alternativa underlag/förfaringssätt att uppfylla denna LVD, se "Alternative Methods of Compliance" i refererad EASA AD 2009-0262
- REFERENS:** EASA AD 2009-0262
- BESLUTSDATUM:** 21 januari 2010
- BESLUT:** TSL 2010-259

Åtgärder enligt LVD utgör nödvändig förutsättning för ifrågavarande flygmateriels luftvärdighet. Referens BCL M 1.11.  
Anteckning om åtgärd, som vidtagits i enlighet med LVD, skall införas i teknisk journal för berörd flygmateriel med hänvisning till ifrågavarande LVD-nummer. Angivet underlag refererar till senast gällande revision/utgåva.

<b>EASA</b>	<b>AIRWORTHINESS DIRECTIVE</b>
	<p><b>AD No.: 2009-0262</b></p> <p><b>Date: 15 December 2009</b></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 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].</p>	
<b>Type Approval Holder's Name:</b>	<b>Type/Model designation(s):</b>
Fire Fighting Enterprises Limited	Halon 1211 Fire Extinguishers
Approval Number: Various National approvals.	
Foreign AD:	Not applicable
Supersedure:	None
<b>ATA 26</b>	<b>Fire Protection – Halon 1211 Fire Extinguishers – Identification / Replacement</b>
<b>Manufacturer(s):</b>	Fire Fighting Enterprises Limited
<b>Applicability:</b>	<p>Halon 1211 (BCF) fire extinguishers, identified by Part Number (P/N) and serial number (s/n) in Fire Fighting Enterprises Ltd (FFE) Alert Service Bulletin (ASB) 26-115.</p> <p>The affected fire extinguishers are used in passenger cabins and lavatory waste bins and are known to be installed (or carried/stowed on board) on, but not limited to, 328 Support Services (Dornier), Airbus, Alenia, BAE Systems, Boeing, Embraer, and Fokker transport aeroplanes, Adam Aircraft Industries, AerMacchi, Aircraft Industries a.s (formerly LET), Britten Norman, Hawker Beechcraft (formerly Raytheon), Pilatus, and Vulcanair (formerly Partenavia) general aviation aeroplanes and Agusta and Eurocopter helicopters.</p>
<b>Reason:</b>	<p>The Civil Aviation Authority of the United Kingdom (UK) has informed EASA that significant quantities of Halon 1211 gas, determined to be outside the required specification, have been supplied to the aviation industry for use in fire extinguishing equipment. Halon 1211 (BCF) is used in lavatory waste bin fire extinguishers and portable fire extinguishers, usually fitted or stowed in aircraft cabins and toilet compartments.</p> <p>EASA published Safety Information Bulletin (SIB) 2009-39 on 23 October 2009 to make the aviation community aware of this safety concern. On 25 November 2009, EASA Emergency AD 2009-0251E was published to address an earlier batch of extinguishers with contaminated Halon 1211.</p> <p>The results of the ongoing investigation have now established that LyonTech Engineering Ltd, a UK-based company, has supplied further consignments of</p>

	<p>Halon 1211 (BCF) to Fire Fighting Enterprises (FFE) that do not meet the required specification. This Halon 1211 has subsequently been used to fill certain FFE portable cabin and toilet compartment fire extinguishers that are now likely to be installed in or carried on board aircraft.</p> <p>The contaminated nature of this gas, when used against a fire, may provide reduced fire suppression, endangering the safety of the aircraft and its occupants. In addition, extinguisher activation may lead to release of toxic fumes, possibly causing injury to aircraft occupants.</p> <p>For the reason described above, this EASA AD requires the identification and removal from service of certain batches of fire extinguishers and replacement with serviceable units.</p>
Effective Date:	29 December 2009
Required Action(s) and Compliance Time(s):	<p>Required as indicated, unless accomplished previously:</p> <p>(1) Within the next 30 days after the effective date of this AD, accomplish the following:</p> <p>(1.1) Identify the P/N and s/n of the fire extinguisher(s) installed or carried on board the aircraft, as listed in Appendix 1 of FFE ASB 26-115, and</p> <p>(1.2) If any fire extinguisher identified as required by paragraph (1.1) of this AD is listed in Appendix 1 of FFE ASB 26-115, remove it from the aircraft and replace it with a serviceable unit in accordance with the instructions of FFE ASB 26-115.</p> <p>(2) From the effective date of this AD, do not install any fire extinguisher as identified in Appendix 1 of FFE ASB26-115 on any aircraft.</p>
Ref. Publications:	Fire Fighting Enterprises Ltd ASB 26-115 dated December 2009.
Remarks:	<ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this EAD.</li> <li>2. The required actions and the risk allowance have granted the issuance of a Final AD with Request for Comments, postponing the public consultation process after publication.</li> <li>3. 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>4. For any question concerning the technical content of the requirements in this AD, please contact: Fire Fighting Enterprises Ltd, 9 Hunting Gate, Hitchin, Hertfordshire SG4 0TJ, United Kingdom Telephone: +44 (0) 845 402 4242 E-mail: <a href="mailto:info@ffeuk.com">info@ffeuk.com</a>, Website: <a href="http://www.ffeuk.com">www.ffeuk.com</a></li> <li>5. FFE ASB 26-115 can be accessed via the FFE website at <a href="http://www.firecmm.com">www.firecmm.com</a>.</li> </ol>