



Civil Aviation Authority

AIRWORTHINESS DIRECTIVE

Number: **G-2021-0003**

Issue date: 02 June 2021



Note: In this Airworthiness Directive references to EU regulations are to those regulations as retained and amended in UK domestic law under the European Union (Withdrawal) Act 2018 and are referenced as "UK Regulation (EU) year/number or UK Regulation (EU) No. number/year".

This Airworthiness Directive (AD) is issued by the UK CAA, in accordance with UK Regulation (EU) No. 748/2012 Part 21.A.3B., acting as the Authority of the State of Design for the affected product(s) under Article 34 of the Air Navigation Order 2016 (ANO) and UK Regulation (EU) 2018/1139.

In accordance with UK Regulation (EU) No. 1321/2014 Annex I, Part-M, M.A.301 / Annex VB ML, ML.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 or agreed by the CAA [Part-M, M.A.303 / Part-ML, ML.A.303].

This is a Final AD with Request for Comments and is issued in accordance with the UK CAA Continuing Airworthiness Process. All interested persons may send their comments, referencing the AD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

Design Approval Holder's Name: Survitec Group Limited	Type/Model Designation(s): Halo Passenger Lifejacket - Emergency Breathing System (EBS)
---	---

TCDS:	ETSO
-------	------

Supersedure:	Not Applicable
--------------	----------------

ATA 25	Equipment / Furnishings – Life Jacket - Inspection
--------	---

Manufacturer(s):	Survitec Group Ltd. t/a RFD Beaufort Ltd.
------------------	---

Applicability:	Survitec Group Limited (hereafter referred to as "Survitec" in this AD) Emergency Breathing System (EBS) P/N 12677009 fitted to Halo Passenger Lifejacket P/Ns 00031010 and 00031031.
----------------	---

Definitions:	<p>For the purpose of this AD, the following definitions apply:</p> <p>Affected part: Emergency Breathing System (EBS) P/N 12677009, as fitted to the Survitec Halo passenger lifejacket P/Ns 00031010 and 00031031.</p> <p>Serviceable part: Emergency Breathing System (EBS) P/N 12677009 as fitted to the Survitec Halo passenger lifejacket P/Ns 00031010 and 00031031, where Alert Service Bulletin 25-206-A has been accomplished.</p> <p>The SB: Alert Service Bulletin 25-206-A, Version 1 dated 13 May 2021.</p>
--------------	--

<p>Reason:</p>	<p>Whilst preparing to fit a new Emergency Breathing System (EBS) bottle to a lifejacket, the burst plug activated, discharging the contents of the EBS.</p> <p>Investigation determined that an incorrect burst plug had been fitted to the original EBS and instead of 4500 PSI / 310 BAR working pressure burst plug, the unit had been fitted with a 3000 PSI / 207 BAR working pressure burst plug.</p> <p>This condition, if not detected and corrected, could lead, in case of ditching, to failure of the EBS system in providing an alternative, or additional means to mitigate the risk of drowning.</p> <p>To address this potential unsafe condition, Survitec issued Alert Service Bulletin 25-206-A.</p> <p>For the reasons described above, this AD requires a one-time inspection of the burst plug and reporting the results of the inspection back to the manufacturer.</p>
<p>Effective Date:</p>	<p>16 June 2021</p>
<p>Required Action(s) and Compliance Time(s):</p>	<p>Required as indicated, unless accomplished previously: Check affected EBS as per Survitec Alert Service Bulletin 25-206-A Version 1 or later approved revisions.</p> <p>Inspection(s): (1) Within 1 month after the effective date of this AD, perform inspection of the EBS in accordance with Alert Service Bulletin 25-206-A.</p> <p>Corrective Action(s): (2) If, during any inspection as required by paragraph (1) of this AD, discrepancies are detected, purge the cylinder, remove and replace the affected part with a new or serviceable part, in accordance with Alert Service Bulletin 25-206-A.</p> <p>Parts Installation: (3) Do not install an affected part on any aircraft unless Alert Service Bulletin 25-206-A Version 2, or later revisions, has been accomplished.</p>
<p>Reference Publications:</p>	<p>Alert Service Bulletin 25-206-A Version 1</p>

Remarks:	<ol style="list-style-type: none">1. If requested and appropriately substantiated, CAA can approve Alternative Methods of Compliance for this AD.2. Based on the required actions and the compliance time, CAA has decided to issue this AD and invite comments on its contents, within 30 days of the Effective Date of this AD.3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the CAA aviation safety reporting system. This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.4. Enquiries regarding this Airworthiness Directive should be referred to: Continued.Airworthiness@caa.co.uk
-----------------	---