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| <b>EASA</b>  | <b>AIRWORTHINESS DIRECTIVE</b>  |
|   | <p><b>AD No.: 2014-0088</b></p> <p><b>Date: 15 April 2014</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 EU 748/2012, Part 21.A.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> |   |
| <p><b>Design Approval Holder's Name:</b><br/>TEAM, trading as Cobham Avionics</p>  | <p><b>Type/Model designation(s):</b><br/>Cockpit Voice Recorders</p>  |
| <p>ETSO Authorisations: DGAC France N° QAC 953130 and QAC 973201</p>   |   |
| <p>Foreign AD:</p>   | <p>Not applicable</p>   |
| <p>Supersedure:</p>  | <p>None</p>   |
| <b>ATA 23</b>  | <b>Communications – Cockpit Voice Recorder – Replacement</b>  |
| <p>Manufacturer(s):</p>  | <p>TEAM</p>   |
| <p>Applicability:</p>  | <p>Part Number (P/N) AP71232101 and P/N AP71231101 Cockpit Voice Recorders (CVR), all serial numbers.</p> <p>These CVR are known to be installed on, but not limited to, Airbus A318, A319, A320, A321, A330 and A340 aeroplanes, Dassault Aviation Falcon 10 and Mystère-Falcon 20( )5 aeroplanes, and Airbus Helicopters (formerly Eurocopter, Aerospatiale, Sud Aviation) SA 330 helicopters.</p>  |
| <p>Reason:</p>   | <p>EASA were notified by the Bureau d'Enquêtes et d'Analyses pour la sécurité de l'aviation civile (BEA) concerning the reliability of TEAM P/N AP71232101 CVR. In 2011 and 2012, BEA found four units of this CVR unserviceable at the occasion of safety investigations, where the recording function had become unavailable. A review by BEA of maintenance data from Air France Industrie showed that, between January 2011 and September 2013, 31 times out of 56 removals of a TEAM P/N AP71232101 CVR, the unit was found unserviceable. In addition, an incomplete self-monitoring function was identified which prevented in-service detection of the failure of recording.</p> <p>This condition, if not corrected, can lead to loss of recorded data, likely hindering an investigation in case of an accident.</p> <p>Due to the ageing of the design and obsolescence of components, Cobham did not propose an improvement of the availability of the recording function.</p> <p>For the reasons described above, this AD requires removal from service of the affected CVR units.</p> |
| <p>Effective Date:</p>   | <p>29 April 2014</p>  |

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| <p>Required Action(s) and Compliance Time(s):</p> | <p>Required as indicated, unless accomplished previously:</p> <ol style="list-style-type: none"> <li>(1) Within 18 months after the effective date of this AD, remove the TEAM CVR P/N AP71232101 or P/N AP71231101, as applicable, from the aircraft and, depending on operational regulations, install a serviceable CVR in accordance with approved aircraft modification instructions.</li> <li>(2) Do not install on any aircraft a TEAM CVR P/N AP71232101 or P/N AP71231101, as required by paragraph (2.1) or (2.2) of this AD, as applicable: <ol style="list-style-type: none"> <li>(2.1) For an aircraft that has a TEAM CVR P/N AP71232101 or P/N AP71231101 installed:<br/>After modification of the aircraft as required by paragraph (1) of this AD.</li> <li>(2.2) For an aircraft that does not have a TEAM CVR P/N AP71232101 or P/N AP71231101 installed:<br/>From the effective date of this AD.</li> </ol> </li> </ol>  |
| <p>Ref. Publications:</p>                         | <p>None.</p>   |
| <p>Remarks:</p>                                   | <ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.</li> <li>2. This AD was posted on 28 February 2014 as PAD 14-043 for consultation until 28 March 2014. The Comment Response Document can be found at <a href="http://ad.easa.europa.eu">http://ad.easa.europa.eu</a>.</li> <li>3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive 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:<br/>TEAM, trading as Cobham Avionics, 35 rue de Monthéry,<br/>Silic B.P. 20191, 94563 RUNGIS Cedex, France.<br/>Telephone + 33 (0)1 49 78 66 00, Fax +33 (0)1 49 78 66 99,<br/>E-mail: <a href="mailto:avionics.teamsupport@cobham.com">avionics.teamsupport@cobham.com</a>.</li> </ol> |