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| <b>EASA</b>  | <b>AIRWORTHINESS DIRECTIVE</b>  |   |
|   | <p><b>AD No.: 2013-0209</b></p> <p><b>Date: 10 September 2013</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/>RUAG Aerospace Services GmbH</p>  |   | <p><b>Type/Model designation(s):</b><br/>DORNIER 228 aeroplanes</p> |
| TCDS Number:   | EASA.A.359  |   |
| Foreign AD:  | Not applicable  |   |
| Supersedure:   | None  |   |
| <b>ATA 32                      Landing Gear – Main Landing Gear Axle – Inspection</b>  |   |   |
| Manufacturer(s):   | RUAG Aerospace Services GmbH; formerly Dornier Luftfahrt GmbH, Fairchild Dornier GmbH.  |   |
| Applicability:   | Dornier 228-212 aeroplanes, all serial numbers.   |   |
| Reason:  | <p>An event of a main landing gear (MLG) axle break during touchdown has been reported. The results of the subsequent technical investigation indicated that improper restoration of corrosion protection was the likely cause of the initial fatigue cracking.</p> <p>This condition, if not detected and corrected, could lead to failure of the main landing gear axle, possibly resulting in a runway excursion with consequent damage to the aeroplane and injury to the occupants.</p> <p>To address this potential unsafe condition, RUAG Aerospace Services GmbH issued Service Bulletin (SB) SB-228-300, Rev.1.</p> <p>For the reason described above, this AD requires a one-time inspection of the MLG axle and, depending on findings, accomplishment of applicable corrective actions.</p> |   |
| Effective Date:  | 24 September 2013   |   |

| <p>Required Action(s) and Compliance Time(s):</p>  | <p>Required as indicated, unless accomplished previously:</p> <p>(1) Within the compliance time defined in Table 1 of this AD, or within 6 months whichever occurs first after the effective date of this AD, inspect the MLG axle in accordance with the instructions of RUAG SB-228-300, Rev.1.</p> <p style="text-align: center;">Table 1</p> <table border="1" data-bbox="557 405 1378 707"> <thead> <tr> <th data-bbox="557 405 1018 539">Flight cycles (FC) accumulated by the MLG since new or since overhaul, on the effective date of the AD</th> <th data-bbox="1018 405 1378 539">Compliance Time</th> </tr> </thead> <tbody> <tr> <td data-bbox="557 539 1018 618">Equal to or more than 6 000 FC or TSN more than 10 years</td> <td data-bbox="1018 539 1378 618">Within 400 FC after the effective date of this AD</td> </tr> <tr> <td data-bbox="557 618 1018 707">Less than 6 000 FC or TSN between 5 – 10 years</td> <td data-bbox="1018 618 1378 707">Before exceeding 6 400 FC</td> </tr> </tbody> </table> <p>(2) If, during the inspection as required by paragraph (1) of this AD, discrepancies are found outside the limits described in RUAG SB-228-300, Rev.1, before next flight, accomplish the applicable corrective actions in accordance with the instructions of RUAG SB-228-300, Rev.1.</p> | Flight cycles (FC) accumulated by the MLG since new or since overhaul, on the effective date of the AD | Compliance Time | Equal to or more than 6 000 FC or TSN more than 10 years | Within 400 FC after the effective date of this AD | Less than 6 000 FC or TSN between 5 – 10 years | Before exceeding 6 400 FC |
|--|--|--|-----------------|--|---|--|---------------------------|
| Flight cycles (FC) accumulated by the MLG since new or since overhaul, on the effective date of the AD | Compliance Time  |  |                 |  |   |  |                           |
| Equal to or more than 6 000 FC or TSN more than 10 years   | Within 400 FC after the effective date of this AD  |  |                 |  |   |  |                           |
| Less than 6 000 FC or TSN between 5 – 10 years   | Before exceeding 6 400 FC  |  |                 |  |   |  |                           |
| <p>Ref. Publications:</p>  | <p>RUAG Aerospace Services GmbH SB-228-300, Rev.1 dated 25 April 2013.</p> <p>The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.</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 24 May 2013 as PAD 13-068 for consultation until 21 June 2013 and re-issued as Revision 01 for consultation on 13 August 2013 until on 27 August 2013. 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/>RUAG Aerospace Services GmbH, Dornier 228 Customer Support, P.O. Box 1253, 82231 Wessling, GERMANY<br/>Telephone: + 49 (0) 8153-302280; Facsimile: + 49 (0) 8153-303030</li> </ol>  |  |                 |  |   |  |                           |