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| <b>EASA</b>  | <b>EMERGENCY AIRWORTHINESS DIRECTIVE</b>  |  |
|   | <p><b>AD No.: 2006- 0327-E</b></p> <p><b>Date: 23 October 2006</b></p>  |  |
| No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise agreed with the Authority of the State of Registry. |   |  |
| <b>Type Approval Holder's Name:</b>  | <b>Type/Model designation(s):</b>   |  |
| <b>EUROCOPTER</b>  | <b>AS 332 and SA 330 series helicopters</b>   |  |
| TCDS Number: EASA R.002  |   |  |
| Foreign AD: Not applicable   |   |  |
| Supersedes: Not applicable   |   |  |
| <b>ATA: 62, 65</b>   | <b>MAIN ROTOR – MAIN ROTOR HEAD (MRH) SPINDLES – CHECK/REPLACEMENT</b>  |  |
| <b>Manufacturer(s):</b>  | EUROCOPTER (formerly EUROCOPTER France, Aérospatiale)   |  |
| <b>Effectivity:</b>  | <p>AS 332 C, AS 332 C1, AS 332 L and AS 332 L1 helicopters, equipped with MRH spindles, Part Numbers (P/N):<br/> -332A31-1390-all dash numbers, or<br/> -332A31-1398-all dash numbers, or<br/> -332A31-1410-all dash numbers, or<br/> -332A31-1485-all dash numbers.</p> <p>SA 330 F, SA 330 G and SA 330 J helicopters, equipped with MRH spindles, P/N:<br/> -330A31-1122-all dash numbers, or<br/> -330A31-1782-all dash numbers, or<br/> -330A31-1785-all dash numbers.</p> |  |
| <b>Reason:</b>   | <p>This Emergency Airworthiness Directive is issued following a report of the failure of the lower material section on the leading edge of a MRH spindle yoke on an AS 332 L helicopter. The crack growth which led to the failure is visible from outside without disassembly.</p> <p>Failure of the spindle yoke can lead to the loss of the blade.</p>   |  |
| <b>Effective Date:</b>   | 24 October 2006   |  |

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| <p>Compliance:</p>        | <p>The following measures are mandatory from the effective date of this AD:</p> <p><b>1- SA 330 helicopters:</b></p> <p>Not later than within 10 flight hours and thereafter at intervals not exceeding 10 flight hours, check that there is no crack in the material section of the spindle yokes, in accordance with the instructions specified in paragraph 2.B. of EUROCOPTER SA 330 Alert Service Bulletin (ASB) No. 05.93, referenced below.</p> <p><b>2- AS 332 helicopters:</b></p> <p>2.1 MRHs fitted with spindles P/N 332A31-1390-all dash numbers or P/N 332A31-1398-all dash numbers:<br/>Not later than within 5 flight hours and thereafter at intervals not exceeding 5 flight hours, check that there is no crack in the material section of the spindle yokes, in accordance with the instructions specified in paragraph 2.B. of EUROCOPTER AS 332 Alert Service Bulletin (ASB) No. 05.00.67, referenced below.</p> <p>2.2 MRHs fitted with spindles P/N 332A31-1410-all dash numbers or P/N 332A31-1485-all dash numbers:<br/>Not later than within 10 flight hours and thereafter at intervals not exceeding 10 flight hours, check that there is no crack in the material section of the spindle yokes, in accordance with the instructions specified in paragraph 2.B. of the ASB referenced below.</p> <p><b>3- Interpretation of the results:</b><br/>If a crack is found in the material section during the check of the spindle yokes, before next flight, remove and replace the sleeve/spindle assembly in accordance with the instructions specified in paragraph 2.B.2 of the ASBs referenced below, corresponding to the helicopter version.</p> <p>4- Before installation on a helicopter of a spare spindle that has logged operating hours since new or last overhaul, check that there is no crack in the material section of the spindle yokes, in accordance with the instructions specified in paragraph 2.B of the ASBs referenced below, corresponding to the helicopter version.</p> |
| <p>Ref. Publications:</p> | <p>EUROCOPTER AS 332 ASB No. 05.00.67 or SA 330 ASB No. 05.93, as applicable, or any subsequent approved revision.</p>   |
| <p>Remarks:</p>           | <ol style="list-style-type: none"> <li>1. If requested and appropriately substantiated the responsible EASA manager for the related product has the authority to accept Alternative Methods of Compliance (AMOCs) for this AD.</li> <li>2. The safety assessment has requested not to implement the full consultation process and an immediate publication and notification.</li> <li>3. Enquiries regarding this AD should be addressed to AD Focal Point, Certification Directorate, EASA; E-mail: <a href="mailto:ADs@easa.europa.eu">ADs@easa.europa.eu</a></li> <li>4. For any questions concerning the technical content of the requirements in this AD, please contact: EUROCOPTER (STDI) - Aéroport de Marseille Provence 13725 Marignane Cedex - France. Tel: 33 (0) 4 42 85 97 97 - Fax: 33 (0) 4 42 85 99 66.<br/>E-mail: <a href="mailto:Directive.technical-support@eurocopter.com">Directive.technical-support@eurocopter.com</a></li> </ol>   |