EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2013-0218 **Date: 17 September 2013** 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.

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].

Design Approval Holder's Name:	**Type/Model designations:**
EUROCOPTER	AS 365 and SA 365 helicopters

TCDS Number:	DGAC France No. 159
Foreign AD:	Not applicable
Supersedure:	None

ATA 62	**Main Rotor Hub – Frequency Adapter / Torque Value – Adjustment / Modification**
Manufacturer(s):	Eurocopter (EC, formerly Eurocopter France, Aerospatiale)
Applicability:	Eurocopter SA 365 N, SA 365 N1, AS 365 N2 and AS 365 N3 helicopters, all manufacturer serial numbers.
Reason:	Strong vibrations during the approach and landing phases to a platform were reported on an AS 365 N3 helicopter. Subsequent investigation results identified separated carbon flanges from the elastomer part of two frequency adaptors on the main rotor head. Further analysis of this occurrence revealed that the attachment spindles of the "frequency adapter - sleeve" link had come loose. This condition, if not detected and corrected, could lead to strong vibrations causing excessive increase of flight crew workload, possibly resulting in loss of control of the helicopter. To address this potential unsafe condition, Eurocopter (EC) issued Alert Service Bulletin (ASB) AS365-05.00.64 to provide instructions for adjustment of tightening torque on the titanium attachment spindles of the "frequency adapter-sleeves" link and developed modification (mod) 0762C49 of steel attachment spindles on the STARFLEX/sleeve frequency adapter link, which can be embodied in service through Eurocopter ASB AS365-62.00.27. For the reasons described above, this AD requires repetitive adjustment of tightening torque on helicopters equipped with titanium attachment spindles and modification of helicopters equipped with steel attachment spindles on the STARFLEX/sleeve frequency adapter link.

Effective Date:	01 October 2013
Required Action(s) and Compliance Time(s):	Required as indicated, unless accomplished previously: (1) **For helicopters equipped with titanium attachment spindles P/N 365A31-1886-20 or 365A31-1886-21 of the "frequency adapter-sleeves" link:** Within 110 flight hours (FH) or 6 months, whichever occurs first after the effective date of this AD, and, thereafter, at intervals not to exceed 110 FH, adjust the tightening torque on the titanium attachment spindles of the “frequency adapter-sleeves” link in accordance with the instructions of Section 3 of EC ASB No. AS365-05.00.64. (2) **For helicopters equipped with steel attachment spindles on the STARFLEX sleeve/frequency adapter link and <u>not</u> modified in accordance with Eurocopter mod 0762C49:** Within 110 FH or 6 months, whichever occurs first after the effective date of this AD, modify the tightening torque of the spindles of the STARFLEX sleeve/frequency adapter link in accordance with the instructions of Section 3 of EC ASB No. AS365-62.00.27. (3) Installation of steel attachment spindles on each "frequency adapter sleeves" link and modification of the helicopter in accordance with the instructions of Section 3 of EC ASB No. AS365-62.00.27 (mod 0762C49).constitutes terminating action for repetitive inspections required by paragraph (1) for that helicopter.
Ref. Publications:	EC ASB No. AS365-05.00.64 original issue, dated 30 August 2013. EC ASB No. AS365-62.00.27 revision 1, dated 30 August 2013. The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.
Remarks:	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication. 3. Enquiries regarding this AD should be referred to the Safety Information Section, Executive Directorate, EASA. E-mail: ADs@easa.europa.eu. 4. For any question concerning the technical content of the requirements in this AD, please contact: Eurocopter (STDI) - Aéroport de Marseille Provence 13725 Marignane Cedex, France. Telephone +33 (0) 4 42 85 97 97, Fax +33 (0) 4 42 85 99 66 E-mail: Directive.technical-support@eurocopter.com.