

BUREAU VERITAS

AIRWORTHINESS DIRECTIVE

released by Direction Générale de l'Aviation Civile

Inspections and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.

Translation of "Consigne de Navigabilité"
Réf. : 84-020-006(B)R1
In case of any difficulty, reference should
be made to the French original issue.

AEROSPATIALE HELICOPTERS SA 365N DAUPHIN

Main rotor mast shaft

The present Airworthiness Directive is applicable to AEROSPATIALE Helicopters DAUPHIN SA 365N equipped with a main rotor mast shaft bearing one of the following part numbers :

- 365A31.1060.23 or .25
- 365A31.1179.20 or .21
- 365A31.1179.03 after eliminating polyurethane coating according to S.B. AEROSPATIALE SA 365 N n° 01-17.

Nota : For the main rotor masts refered 365A31.1179.03 after eliminating polyurethane coating according to S.B. 01-17 the only paragraphs 1.a, 1.d, 2 and 3 of this present Airworthiness Directive are taking into account.

Within the aim of ensuring that the main rotor mast shaft is free from cracks and corrosion, the following measures have been rendered mandatory :

- 1 - Within the times specified below, perform the checks and reconditionings, if required, called for in paragraph 1.C of AEROSPATIALE Service Bulletin SA 365N n° 05-04 Rev. 2.

These checks are to be carried out (unless already accomplished) :

- a - Immediately, in the event of sudden or repeated occurrence of a severe tracking defect.
- b - Within the 50 hours of operation following the effective date of the present Airworthiness Directive, for the rotor masts having accumulated 250 hours and over on that date.

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Dated : 18/03/87

**AEROSPATIALE HELICOPTERS
SA 365N DAUPHIN**

Ref. : 84-020-006(B)R2

- c - Before reaching 300 hours of operation for the rotor masts having accumulated less than 250 hours of operation on the effective date of the present Airworthiness Directive.
 - d - Subsequently, these checks shall be repeated at intervals not exceeding 300 hours of operation.
- 2 - After each operation performed from the effective date of the present Airworthiness Directive, at location of the nuts on the main rotor head/rotor mast attaching bolts, perform the visual check called for in paragraph 1.C (3) (C) (CA) of AEROSPATIALE Service Bulletin SA 365N DAUPHIN n° 05-04 Rev. 2.

If a defect is detected, or if in doubt, accomplish the reconditioning steps called for in paragraphs 1C (2) (AA), 1C (2) (AC) and 1C (3) of AEROSPATIALE Service Bulletin DAUPHIN n° 05-04 Rev. 2, prior to any flight.

- 3 - Each 50 operating hours or 2 months (whichever comes first) following the date of issue of this Consigne, visually check area 2 of joining radius. If corrosion, tool marks or scratches are found, apply slight alterations defined by paragraphs 1C(2)(aa), 1C(2)ac) and protect again according to informations given in paragraph 1C(3)(aa) of SB N° 05-04 Revision 2.

NOTE : The presence of a crack implies mandatory replacement of the rotor mast concerned prior to any flight. Elimination of the corrosion pits, tool marks or fretting, shall not exceed the tolerances specified in AEROSPATIALE Service Bulletin SA 365N DAUPHIN n° 05-04 Rev. 2. Should evidences of the defect subsist after rework, or should the rework concern an area on the mast already reworked previously, the rotor mast shall be removed prior to any flight for reconditioning by the manufacturer (AEROSPATIALE) or a repairer approved by the latter.

Ref. : Service Bulletin SA 365N DAUPHIN n° 05-04 Rev. 2
and subsequent approved revision

This Consigne supersedes CN 84-020-006(B)R1 dated 6/08/1986.

EFFECTIVE DATE : FEBRUARY 8, 1984
(same as original issue)