United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SH4904NM

This certificate, issued to Onboard Systems

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 29 *of the* Federal Aviation *Regulations.*

Original Product — Type Certificate Number: H4EU

Make: Aerospatiale Helicopters

Model: SA 330J, AS 332C and AS 332L

Description of Type Design Change: Fabrication of Onboard Systems Model E-53 cargo hook load cell system or P/N 210-059-00 or 210-060-00 load cell indicator replacement options (SA 330J) and E-54 cargo hook load cell system (AS 332C and AS 332L) in accordance with FAA Approved Onboard Systems Master Drawing List No. 155-002-00, Revision 3, dated October 10, 1992, or later FAA approved revision; and, Installation of these systems in accordance with FAA approved Onboard Systems Owners Manual No. 120-008-00, Revision 3, dated September 10, 1992, or later FAA approved revision. Inspect these load cells in accordance with Section 5 of Onboard Systems Owners Manual No. 120-008-00, Revision 3, dated September 10, 1992, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to those Aerospatiale Model SA 330J rotorcraft, which were previously equipped with an Aerospatiale link, P/N 53-40200-19 and cargo hook P/N S1509AP-SE, only; and models AS 332C and AS 332L rotorcraft, which were previously equipped with an Aerospatiale tube, P/N D00455-1 or 704A41-818-002 and cargo sling, P/N S109-3, only. This approval should not be extended to helicopters of these models on which other previously approved modifications are incorporated unless it is determined by the installer that (See Continuation Sheet)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: September 15, 1989

Date reissued:

Date of issuance: March 6, 1990

Date amended: April 15, 1991; March 3, 1993

By direction of the Administrator

Adriano Tasin

(Signature)

Manager, Special Certification Branch
Seattle Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

FAA Form 8110-2 (10-68)

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Supplemental Type Certificate

(Continuation Sheet)

Number SH4904NM

LIMITATION AND CONDITIONS: (continued)

the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that helicopter. Rotorcraft modified in accordance with this STC must be operated in accordance with an FAA approved copy of one of the following Rotorcraft Flight Manual Supplements (RFMS):

SA 330J

E-53 cargo hook load cell system - RFMS dated March 6, 1990, or later FAA approved revision.

210-059-00, or 210-060-00 load cell indicator replacement options - RFMS dated March 3, 1993, or later FAA approved revision.

AS 332C and AS 332L

E-54 cargo hook load cell system - RFMS dated April 15, 1991, or later FAA approved revision.

A copy of this Certificate, Continuation Sheet No. SH4904NM, the appropriate FAA approved Rotorcraft Flight Manual Supplement, and Onboard Systems Owners Manual must be maintained as part of the permanent records of the modified helicopter.

NOTE: The Onboard P/N 210-059-00, or 210-060-00 load cell indictor replacement options apply to Aerospatiale Model SA 330J helicopters, only, which were previously equipped with Chadwick load cell P/N 53-40200-19. The indicator replacement options, replace the origianl Chadwick 53-40105-9 indicator, the 40-40110-109 driver box, the 53-50100-9 internal harness and the 53-50103-9 display cable.

-END-

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

FAA FORM 8110-2-1 (10-69)

This certificate may be transferred in accordance with FAR 21.47.