



Department of Transport

Supplemental Type Certificate

This approval is issued to:

Onboard Systems
11212 NW St. Helens Road
Portland, OR
USA 97231

Number: SH99-022

Issue No.: 1

Approval Date: March 21, 1999

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Responsible Office: Pacific

Aircraft/Engine Type or Model: Aerospatiale SA330J, AS332C and AS332L

Canadian Type Certificate or Equivalent: H-78

Description of Type Design Change: Installation of Onboard Systems Model E-53 Cargo Hook Load Cell System per FAA STC SH4904NM

**Installation/Operating Data,
Required Equipment and Limitations:**

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 (SA330J) and E-54 cargo hook load cell system (AS332C and AS332L) in accordance with FAA approved Onboard Systems Master Drawing List No. 155-002-00, Revision 3, dated October 10, 1992 * ; and, **Installation** of these systems in accordance with FAA approved Onboard Systems Owner's Manual No. 120-008-00, Revision 3, dated September 10, 1992 * . **Inspect** this cargo hook load cell system in accordance with Section 5 of Onboard Systems Owner's Manual No. 120-008-00, dated September 10, 1992 * .

Basis of Certification as defined in the applicable Type Certificate Data Sheets.

Limitations :

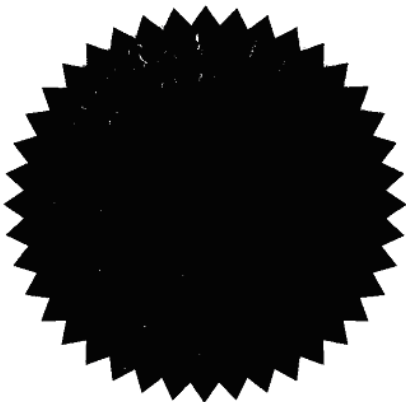
This STC applies to Aerospatiale SA330J rotorcraft which is equipped with an Aerospatiale link, P/N 53-40200-19 and cargo hook P/N S1509AP-SE; and AS332C and AS332L rotorcraft which are equipped with an Aerospatiale tube, P/N D00455-1 or 704A41-818-002 and cargo sling P/N S109-3 only.

(* or later FAA approved revisions)

— See continuation Sheet —

Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated **will not** adversely affect the airworthiness of the modified product.

J. H. Nehera
Regional Manager, Aircraft Certification
For Minister of Transport





(Continuation Sheet)

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NOTE: THIS ADDENDUM SHALL REMAIN PART OF THE CERTIFICATE REFERRED TO THEREIN.

Required Equipment :

FAA approved Onboard Systems Rotorcraft Flight Manual Supplements (RFMS) :

Model	Equipment	RFMS
SA 330J	E-53 cargo hook load cell system	RFMS dated March 6, 1990 *
	210-059-00, or 210-060-00 load cell indicator replacement options	RFMS dated March 3, 1993 *
AS332C and AS332L	E-54 cargo hook load cell system	RFMS dated April 15, 1991 *

(* or later FAA approved revisions)

— End —