



Department of Transport

# Supplemental Type Certificate

**This approval is issued to:**

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

**Number:** SH99-019

**Issue No.:** 1

**Approval Date:** March 21, 1999

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**Responsible Office:**

Pacific

**Aircraft/Engine Type or Model:**

Eurpcopter Deutschland GmbH MBB-BK117 A-1D, MBB-BK117 A-3D, MBB-BK117 A-4D, and MBB-BK117 B-1D

**Canadian Type Certificate or Equivalent:**

H-90

**Description of Type Design Change:**

**Installation of Onboard Systems Model E-74 Cargo Hook Load Cell System per FAA STC SH4986NM**

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

**Fabrication** of Onboard Systems Model E-74 cargo hook load cell system in accordance with FAA approved Onboard Systems Master Drawing List No. 155-017-00, dated October 10, 1990 \* ; and, **Installation** of this system in accordance with FAA approved Onboard Systems Owner's Manual No. 120-023-00, dated October 10, 1990 \* . **Inspect** load cell in accordance with Section 5 of Onboard Systems Owner's Manual No. 120-023-00, dated October 10, 1990 \* .

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

**Limitations :**

This STC applies to Eurpcopter Deutschland GmbH rotorcraft models listed above, only, equipped with a 117-80127 cargo hook.

**Required Equipment :**

FAA approved Onboard Systems Rotorcraft Flight Manual Supplement revised November 21, 1990 \* .

( \* or later FAA approved revisions )

**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

