

Fort Worth Aircraft Evaluation Group
Flight Standards District Office
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Federal Aviation Administration

Memorandum

Date: January 17, 2006

From: Manager, Fort Worth Aircraft Evaluation Group, FTW AEG
To: Manager, Air Transportation Division, AFS-200
THRU: Manager, General Aviation & Commercial Division, AFS-800
Subject: Flight Standardization Board, Bell Model 210 Transport Category

Forwarded for your concurrence.

A handwritten signature in black ink, appearing to read "M. A. Fletcher".

Mark Fletcher

Attachment

Flight Standardization Board
Bell Helicopter Model 210
Transport Category

APPROVED: Edward L. Hinch 1-13-06
Edward L. Hinch, Chairman DATE

CONCUR: Mark E. Fletcher 1-13-06
Mark E. Fletcher, Manager DATE
Fort Worth Aircraft Evaluation Group

CONCUR: Thomas J. Graham 1-18-06
MANAGER, DATE
Air Transportation Division AFS-200

CONCUR: Thomas J. Graham 1/17/06
MANAGER, DATE
General Aviation & Commercial Division
AFS-800

Bell Helicopter Textron Model 210
PART I

1. Purpose and applicability:

The purpose of this report is to insure complete coverage and documentation of all Flight Standards responsibility regarding the type certification of the Bell Helicopter Textron Model 210, turbine powered, 9 passenger, 10,500 pound gross weight, Transport Category Helicopter.

This aircraft is certificated under FAR 29, Category B, Transport Category, and is approved for Day/Night VFR.

This aircraft is capable of being utilized for scheduled Commuter Operations and On-demand Operations under Part 135, pilot training under Part 61, and Private carriage under Part 91. Other possible uses include operations under Part 137, and Part 133.

Pilot Type Rating Requirements:

This aircraft is certificated as a Part 29 Transport Category Rotorcraft with gross weight less than 12500 pounds therefore no type rating is required.

Master Common Requirements (MCR's):

N/A

Master Differences Requirements (MDR's):

N/A

Acceptable Operator Difference requirements table:

N/A

FSB Specifications for Training:

The Model 210 is a UH-1H aircraft modified to a configuration similar to that of the Bell Model 205B type certified under Type Certificate No. H1SW. The aircraft configuration will be different from the Model 205B in that the starting point for manufacture of the aircraft is a U.S. Manufactured UH-1H airframe. Modifications were made to the airframe to achieve structural equivalency of the Model 205B. This aircraft will utilize Model 212 and Model 205B components.

FSB Specifications for Checking

All checks required by 14 CFR Part 135 must be accomplished in make and model. Flight checks are conducted in accordance with the instruction, guidance, and requirements contained in the appropriate Practical Test Standards and supplemented by guidance in FAA Orders 8700.1, 8400.10 and/or 8710.3.

FSB Specifications for Currency

The provisions of FAR 61.57 apply to this helicopter.

Aircraft regulatory compliance checklist

N/A

FSB Specifications for Devices and Simulators

Advisory Circular 120-63 outlines specifications for Helicopter simulators. Criteria for flight training devices have not yet been developed.

Application of FSB Report

All Operators

Alternate means of compliance

N/A

Miscellaneous

**Bell Helicopter Model 210
PART II**

Background:

This aircraft is certificated under FAR 29, Category B, Transport Category, and is approved for Day/Night VFR.

This aircraft is capable of being utilized for scheduled Commuter Operations and On-demand Operations under Part 135, pilot training under Part 61, and Private carriage under Part 91. Other possible uses include operations under Part 137, and Part 133.

FSB Composition:

Chairman – Edward L. Hinch, Operations Inspector, Fort Worth Aircraft Evaluation Group.

Public Meeting Record and Resolution of Comments:

N/A

Summary and Conclusions: The Flight Standardization Board completed the Model 210 Pilot Training Program conducted by Bell Helicopter Textron in Fort Worth, Texas. The maneuvers required by the Practical Test Standards for Airline Transport Pilot and Aircraft Type Rating for Helicopter were evaluated during flight. Training in this aircraft should conform to the Factory training.

The Model 210 is a UH-1H aircraft modified to a configuration similar to that of the Bell Model 205B type certified under Type Certificate No. H1SW. No new design features or major component improvements have been made. The aircraft configuration will be different from the 205B in that the starting point for manufacture of the aircraft will be a U.S. manufactured UH-1H airframe. Modifications were made to achieve structural equivalency of the airframe to the Model 205B and incorporates Model 212 and 205B components. The objective of the Model 210 program is to provide an opportunity for FAA certification of UH-1H aircraft that are being operated in Restricted Category or public use so that they will be logistically maintained and supported by Bell Helicopter Textron Inc.

Flight checks are to be conducted in accordance with the instruction, guidance, and requirements contained in the appropriate Practical Test Standards and supplemented by guidance in FAA Orders 8700.1, 8400.10 and/or 8710.3.

There are no variants for the Model 210, therefore all checks required by 14 CFR Part 135 or Part 61 must be accomplished in make and model.