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(09/2006)

Study and Reference Guide

Operations Manager
Commuter Operations
CAR 704

Helicopter

First Edition
September 2006

TC-1002018



Canada

Associated Publications:

Study and Reference Guide, Chief Pilot, Commuter Operations – CAR 704, Helicopter TP 14582E

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KNOWLEDGE REQUIREMENTS

The Operations Manager Examination is one of the requirements necessary in order to become a Operations Manager. Operations Manager applicants will also be required to successfully complete an interview, specific to their operations, with the appropriate Regional Commercial and Business Aviation Principal Operations Inspector prior to Operations Manager appointment.

This study guide lists the subject areas included in the initial Operations Manager written examination (OMCOH).

The subjects covered in the examination are as follows:

- 1 Aeronautics Act and General Provisions
- 2 CARs General Provisions and Pilot Licensing
- 3 CARs Airworthiness and General Operating Rules
- 4 CARs for Commercial Air Services including the associated Commercial Air Service Standards (CASS)
- 5 Instrument Flight Rules and Procedures (for IFR operators)

Each examination consists of 50 multiple-choice questions. The pass mark is 80%. The time permitted is 2 1/2 hours.

ADMISSION

Operations Manager applicants shall be recommended to the Transport Canada Principal Operations Inspector, who will verify the applicant's qualifications in accordance with paragraph 724.07(2)(b) of the CARs. The Principal Operations Inspector will issue the qualified applicant a Letter of Recommendation to attempt the written examination.

To be admitted to the Operations Manager examination, the applicant shall provide the invigilator with:

- proof of identification, and
- a letter of recommendation from the Principal Operations Inspector.

EXAM FEEDBACK

On completion of the Operations Manager written examination (OMCOH), a results letter will be issued, informing the candidate on the subject areas in this guide that were answered incorrectly, (eg. "Study & Reference Guide item 2.04", which refers to CAR 103.04, Record Keeping).

Comments or suggestions with respect to this publication should be referred to:

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STUDY REFERENCES

LEGEND

AA	-	Aeronautics Act
CARs	-	Canadian Aviation Regulations
CASS	-	Commercial Air Services Standards
AIM	-	Aeronautical Information Manual
CAP	-	Canada Air Pilot
FTS-IFR	-	Flight Test Standards, Instrument Rating (TP 9939)

Commercial and Business Aviation Branch Policy Letters and Advisory Circulars affecting Air Carriers are found at <http://www.tc.gc.ca/CivilAviation/commerce/menu.htm>

1 Aeronautics Act And General Operating Information

- 1.01 AA Section 3, Interpretation
- 1.02 AA Section 6.5, Medical and Optometric Information, subsection (2) Patient to advise
- 1.03 AA Section 6.71, Minister may refuse to issue or modify a Canadian aviation document.
- 1.04 AIM-GEN 3.1, Aviation Safety Investigation
- 1.05 AIM-GEN 3.2, TSB Definitions
- 1.06 AIM-COM 3.16, Global Positioning Systems (GPS/GNSS)
- 1.07 AIM-COM 5.1 Radio Communications/General
- 1.08 AIM-RAC 2.7.3, Control Zones
- 1.09 AIM-RAC Annex 3.0, Transportation of Dangerous Goods by Air
- 1.10 AIM-RAC 8.11, Class G Airspace-Recommended Operating Procedures-En route
- 1.11 AIM-RAC 9.4, Descent out of Controlled Airspace
- 1.12 AIM-RAC 9.13, IFR Procedures at an Uncontrolled Aerodrome in Uncontrolled Airspace
- 1.13 AIM-FAL 2.3.2, Transborder Flights
- 1.14 AIM-AIR 3.10, Fatigue
- 1.15 AIM-MAP 5.6, NOTAM Format
- 1.16 AIM-SAR 3.8, ELT Testing Procedures

2 Canadian Aviation Regulations– General Provisions, Personnel Licensing

- 2.01 CARS Topics of Major Parts/Subparts
- 2.02 CAR 101.01 Interpretation/Definitions
- 2.03 CAR 103.02 Inspection of Aircraft, Requests for Production of Documents and Prohibitions
- 2.04 CAR 103.04 Record Keeping
- 2.05 CAR 400.01 Interpretation/Definitions
- 2.06 CAR 401.05 Recency Requirements
- 2.07 CAR 401.08 Personal Logs
- 2.08 CAR 401.31/421.31 Commercial Pilot Licence Privileges
- 2.09 CAR 401.35/421.35 ATPL Privileges/Requirements
- 2.10 CAR 404.17/424.17 Responsibilities of Medical Examiner
- 2.11 CAR 405.23/425.23 Training Aircraft Requirements

3 Canadian Aviation Regulations – Airworthiness, General Operating and Flight Rules

- 3.01 CAR 507.02, 507.03 & 507.04, AIM-LRA 2.3.1(d) Flight Authorities
- 3.02 CAR 602.02, 602.03, Fitness of Flight Crew Members
- 3.03 CAR 602.11/622.11 Aircraft Icing
- 3.04 CAR 602.14 Minimum Altitudes and Distances
- 3.05 CAR 602.16 Flight over Open-air Assemblies of Persons or Built-up Areas
- 3.06 CAR 602.63 Life Rafts and Survival Equipment
- 3.07 CAR 602.104 Reporting Procedures for IFR Aircraft When Approaching or Landing at an Uncontrolled Aerodrome
- 3.08 CAR 605.01 Aircraft Requirements – Application
- 3.09 CAR 605.03 Aircraft Requirements – Flight Authority
- 3.10 CAR 605.14 Aircraft Equipment Requirements – Day VFR
- 3.11 CAR 605.17(1) Use of Position Lights and Anti-collision Lights
- 3.12 CAR 605.85(3) Maintenance Release and Elementary Work
- 3.13 CAR 606.01 Munitions of War
- 3.14 CAR 606.02 Liability Insurance

4 Commercial Air Service – Air Taxi Helicopters

- 4.01 CAR 700.02 Requirements for an Air Operator Certificate
- 4.02 CAR 700.15/720.15 Flight Time Limitations
- 4.03 CAR 700.17/720.17 Unforeseen Operational Circumstances
- 4.04 CAR 700.19/720.19 Requirements for Time Free from Duty
- 4.05 CAR 700.20 Flight Crew Positioning
- 4.06 CAR 702.01.722.01 Application
- 4.07 CAR 704.01 Commuter Operations, Application
- 4.08 CAR 704.08 Contents of Air Operator Certificate
- 4.09 CAR 704.15/724.15 Operational Control System
- 4.10 CAR 704.17/724.17 Operational Flight Plan
- 4.11 CAR 704.20 Fuel Requirements
- 4.12 CAR 704.23 VFR Flight Obstacle Clearance Requirements
- 4.13 CAR 704.25 VFR Flight Weather Conditions
- 4.14 CAR 704.106 Minimum Crew
- 4.15 CAR 704.111 (Flight Crew Qualifications) Validity Period
- 4.16 CAR 704.122 Distribution of Company Operations Manual
- 4.17 CAR 724.07(2) Issuance or Amendment of Air Operator Certificate – Operations Manager
- 4.18 CAR 724.24 VFR Flight Minimum Visibility – Uncontrolled Airspace
- 4.19 CAR 724.29 Routes in Uncontrolled Airspace
- 4.20 CAR 724.33 Apron and Cabin Safety Procedures
- 4.21 CAR 724.108 Flight Crew Member Qualification (including Helicopter Schedule)
- 4.22 CAR 724.115 Training Program
- 4.23 CAR 706.03/726.03 Duties of Certificate Holder

5 Instrument Flight

- 5.01 Flight Test Standards, Instrument Rating (TP 9939)
- 5.02 CAP GEN Introduction
- 5.03 CAP GEN Take-Off Minima/Departure Procedures
- 5.04 CAP GEN Approach Ban
- 5.05 CAP GEN Altimeter Setting
- 5.06 CAP GEN Alternate Weather Minima
- 5.07 CAP GEN Altitude Correction
- 5.08 Air Command Weather Manual, Chapter 9, Aircraft Icing
- 5.09 Principals of Helicopter Flight, pg 153, Requirements for the Development of Vortex Ring

6 Definitions

- 6.01 V_{toss} represents the speed, on a multi engine helicopter, which will assure the required climb performance with one engine inoperative during the second segment of Cat A procedures.