

---

---

TO ACCOMPANY  
AIR PILOT'S MANUAL - VOLUME 2

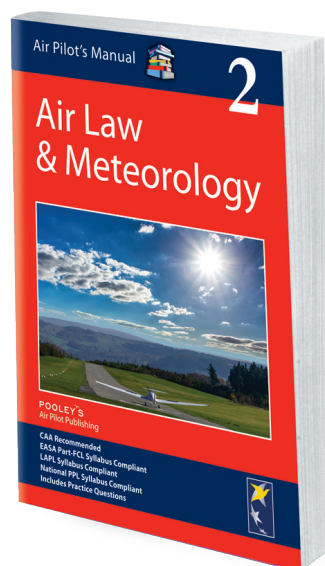
---

---

# Questions, Answers & Explanations

## EASA PPL Revision Papers

# Meteorology



Written and illustrated by  
Helena B A Hughes

**POOLEY'S**  
Air Pilot Publishing

Nothing in this manual supersedes any EU legislation, rules or EASA regulations or procedures and any operational documents issued by The Stationery Office, the Civil Aviation Authority, National Aviation Authorities, the manufacturers of aircraft, engines and systems, or by the operators of aircraft throughout the world. Note that as maps and charts are changed regularly, those extracts reproduced in this book must not be used for flight planning or flight operations.

Copyright © 2016 Pooleys Flight Equipment Limited.

Some images copyright © 2016 Pooleys Air Pilot Publishing Ltd

EASA Private Pilot Licence Aeroplane & Helicopter Questions, Answers & Explanations – Meteorology

ISBN 978-1-84336-208-1

First Edition published February 2014

Revised May 2014

Revised Edition December 2015

Reprint February 2016

All rights reserved. No part of this book may be reproduced or transmitted in any form by any means, electronic or mechanical, including photocopying, recording or by any information storage and retrieval system, without permission from the publisher in writing.

Origination by Pooleys Flight Equipment Limited.

Published by Pooleys Flight Equipment Ltd

Elstree Aerodrome

Hertfordshire WD6 3AW

Tel: +44(0)20 8953 4870

Web: [www.pooleys.com](http://www.pooleys.com)

Email: [sales@pooleys.com](mailto:sales@pooleys.com)

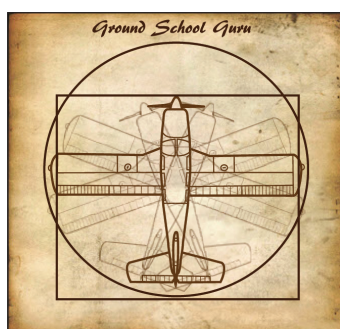
---

---

## AUTHOR

---

---



### Helena B A Hughes

Helena Hughes was born into an aviation household, having her first informal “flying lesson” at the age of four. Her late father David was a flying instructor and also flew corporate jets. On leaving University Helena obtained her PPL. Shortly afterwards she started work in Air Traffic Control at London Luton Airport earning her Controllers Licence in 1990. Helena continues to be an operational Air Traffic Control Officer and is currently posted to Swanwick working “Thames Radar”, “Luton Radar” and “Heathrow Special”; she is involved in controller training as both an Instructor and Assessor. Helena holds a fixed wing CPL/IR and has been a flying instructor since 1996. She also holds a PPL(H) and is a Radio Telephony and Air/Ground Examiner.

Helena would like to thank: Mrs. Brenda “Bedda” Hughes; Mr. Andrew Temple of Solent Flight Ltd; A Vrancken and H Ewing

---

---

## INTRODUCTION

---

---

This book is intended as an aid to revision and examination preparation for those studying for the grant of an EASA PPL. Ideally its use should follow a period of self or directed study to consolidate the knowledge acquired and identify any areas of weakness prior to attempting the PPL examinations themselves.

The questions and answers in this publication are designed to reflect those appearing in the current examination papers and are set out in a representative format. No attempt has been made to replicate any actual examination paper.

Blank answer sheets are provided at the end of the book which may be photocopied to enable multiple attempts at each exam.

---

---

## EDITORS

---

---

### **Dorothy Saul-Pooley** LLB(Hons) FRAeS

Dorothy holds an ATPL (A) and a CPL (H), and is both an instructor and examiner on aeroplanes and an instructor on helicopters. She is Head of Training for a school dedicated to running Flight Instructor courses at Shoreham. She is also a CAA Flight Instructor Examiner. In addition, having qualified as a solicitor in 1982, Dorothy acted for many years as a consultant specialising in aviation and insurance liability issues, and has lectured widely on air law and insurance issues. This highly unusual combination of qualifications led to her appointment as Honorary Solicitor to the Guild of Air Pilots and Navigators (GAPAN). Dorothy is a Fellow of the Royal Aeronautical Society, first Chairman of the GAPAN Instructor Committee, and past Chairman of the Education & Training Committee. She has just completed her term of office as the Master for the year 2014-15 of the Honourable Company of Air Pilots (formerly GAPAN). She is also Chairman of the Professional Flying Instructors Association. In 2003 she was awarded the Jean Lennox Bird Trophy for her contribution to aviation and support of Women in Aviation and the BWPA (British Women Pilots Association). In 2013 Dorothy was awarded the prestigious Master Air Pilots Certificate by GAPAN. A regular contributor to seminars, conferences and aviation publications. Dorothy is the author and editor of a number of flying training books and has published articles in legal and insurance journals.

### **Daljeet Gill** BA(Hons)

Daljeet is the Head of Design & Development for Pooleys Flight Equipment and editor of the Air Pilot's Manuals, Guides to the EASA IR & CPL Flight Test, Pre-flight Briefing and R/T Communications as well as many other publications. Daljeet has been involved with the editing, typesetting and designing of all Pooleys publications and products since she joined us in 2001. Graduating in 1999 with a BA(Hons) in Graphic Design, she deals with marketing, advertising, exhibition design and technical design of our manufactured products in the UK. She maintains our website and produces our Pooleys Catalogue. Daljeet's design skills and imaginative approach have brought a new level of clarity and readability to the projects she has touched.

### **Sebastian Pooley** FRIN MRAeS

Managing Director for Pooleys Flight Equipment Ltd. Sebastian holds a PPL (A).

---

---

# EASA PRIVATE PILOT LICENCE AEROPLANE & HELICOPTER METEOROLOGY

---

---

Before attempting these practice examination papers, you should have read Air Pilot's Manual, Volume 2 – Section Two, Meteorology and have completed the Progress Tests at the end of that manual.

The Meteorology examination consists of 20 questions; the time allowed is one hour.

The pass mark is 75%.

Please read each question carefully and ensure you understand it fully before making your choice of answer.

Each question is multiple choice with four possible answers A, B, C and D. You should indicate your chosen answer by placing a cross in the appropriate box on the answer sheet.

Blank answer sheets are to be found at the end of this publication, these may be photocopied.

Meteorology Paper 1 – Questions	3
Meteorology Paper 1 – Answers	6
Meteorology Paper 1 – Explanations	7
Meteorology Paper 2 – Questions	15
Meteorology Paper 2 – Answers	20
Meteorology Paper 2 – Explanations	21
Meteorology Paper 3 – Questions	27
Meteorology Paper 3 – Answers	30
Meteorology Paper 3 – Explanations	31
Meteorology Paper 4 – Questions	37
Meteorology Paper 4 – Answers	42
Meteorology Paper 4 – Explanations	43
Meteorology Paper 5 – Questions	47
Meteorology Paper 5 – Answers	54
Meteorology Paper 5 – Explanations	55