

show you how to apply in practice what you have learned from these pages. If you can master what we have written, then you will easily manage the transition to the real world and be able to enjoy the freedom that cross-country flying will give you, with confidence.

In Part 2 we cover radio navigation aids. Sensible use of these, and an understanding of their operating principles and limitations, can be of great assistance to you as a back-up to the normal visual navigation procedures of map-reading and dead reckoning (DR) techniques. Navigation by visual reference to the ground or water is not practical above more than $\frac{4}{8}$ cloud, so if that happens to be the case, greater emphasis will be placed on the use of radio navigation techniques. Naturally, if you are navigating above a significant cloud cover or over a large body of open water, then radio navigation aids and radio navigation techniques will become more the primary means of navigation. The aim is to ensure that you have sufficient understanding of the use of radio aids. Your flying instructor will guide you in the practical application of what you have learned in this part.

CASA Examinations

PPL Examinations

CASA PPL examinations are cyber exams conducted by approved flying schools. The examination must be passed prior to undergoing the PPL licence flight test. The PPL examination is a single, composite paper with a maximum of 3.5 hours allowed for the whole exam. The exam is accessed through the CASA website and is undertaken using a PC installed at the flying school. One advantage of this system is that the candidate's result is immediately available on completion of the exam, and a knowledge deficiency report (KDR) is generated at the same time. The KDR shows areas suggested for re-study, and these areas are re-tested as part of the oral quiz during the PPL flight test. In the event of an examination failure, a candidate must wait 7 days before being able to resit the exam.

CPL Cyber Exams

CASA introduced Cyber Exams for the CPL and other professional flight crew examinations in March 2002. The total CPL examination comprises the following seven, single-subject examinations:

Subject	Duration	Total Marks	Pass Mark
Navigation (CNAV)	1.75 hours	40 marks	70%
Meteorology (CMET)	1.50 hours	40 marks	70%
Human Factors (CHUF)	1.00 hour	30 marks	70%
Flight Rules and Air Law (CLWA)	1.50 hours	40 marks	80%
Aerodynamics (CADA)	1.25 hours	40 marks	70%
Aircraft General Knowledge (CSYA)	1.25 hours	40 marks	70%
Aircraft Operations, Performance and Flight Planning (CFPA)	2.50 hours	50 marks	70%

A candidate may attempt any of the seven subjects in any order as and when desired as long as all subjects are passed within 3 years, counted from the first attempt, successful or otherwise, and provided the candidate has the prerequisite qualifications. As with the PPL Cyber Exam, the CPL Cyber Exams are marked at the end of the examination session and