

“HPTS Sport Pilot Guide of What to Study”

About this Appendix

What sport pilots should study using existing materials for the sport pilot and sport pilot instructor practical test specifically includes:

- *FAA Pilot's Handbook of Aeronautical Knowledge* (8083-25A)
- *FAA/AIM* book

Study all material unless instructed not to, or study modifications as outlined in this guide. If a chapter is not listed here, it indicates to study this complete chapter.

The *Sport Pilot Checkride* book provides specific information for powered parachutes.

Study Tips:

1. Cross off and modify items you need to help you study as you go and provide a working document for future use.
2. Go over this with your instructor to make notes and prepare for your practical test (check ride).

Abbreviations for Powered Parachute (PPC) are used in this document.

FAA Pilot's Handbook of Aeronautical Knowledge 8083-25A

Powered Parachutes use the specific FAA Flying Handbook 8083-29 for powered parachutes (PPC). The information as referenced in this guide is used to supplement this FAA PPC Flying handbook. This document provides what PPC student pilots should study.

Chapter 1 Introduction to Flying

This is a good general chapter to read but the specifics for Sport Pilot and Light-Sport Aircraft are better covered in the FAA PPC Flying Handbook (8083-29).

Chapter 2: Aircraft Structure

Ignore this complete chapter.

Chapter 4: Aerodynamics of Flight

PPC Overview -- For this chapter, the increased speeds, stalls, and spins are not applicable to PPC and can be ignored.

Page 4-9-- ignore "GROUND EFFECT" because the wing is too high above the ground to be affected by ground effect.

Page 4-14 -- PPC are statically and dynamically stable. You may ignore pages 4-14 starting with "LONGITUDINAL STABILITY" through page 4-19 column 1, and then study again from Page 4-19 "AERODYNAMIC FORCES IN FLIGHT MANEUVERS".

Pages 4-19 "Aerodynamic Forces in Flight Maneuvers" and "Stalls" Page 4-22. Start back at page 4-23 "basic Propeller Principles"

Page 4-26 --Ignore the "CORKSCREW EFFECT."

Page 4-28 "LOAD FACTORS IN AIRPLANE DESIGN" is for standard category aircraft. S-LSA and E-LSA will have similar load limits but are specified in the Pilot Operating Handbook (POH).

Page 4-30 -- Ignore "LOAD FACTORS AND STALLING SPEEDS" and page 4-31 "LOAD FACTORS AND FLIGHT MANEUVERS" section

Page 4-32 -- Ignore "VG DIAGRAM" section and "WEIGHT AND BALANCE" section through end of chapter

Chapter 5: Flight Controls

Ignore this complete chapter.