



Quick Start Guide

Instrument Pilot

Virtual Test Prep

AN AVIATION DVD GROUND SCHOOL

STUDY AND PREPARE
FOR THE INSTRUMENT
RATING AIRPLANE
FAA KNOWLEDGE EXAM

AN ASA INTERACTIVE PRODUCT
PRODUCED FOR ASA BY
STENBOCK COMMUNICATIONS, INC.

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Aviation Supplies & Academics, Inc.
7005 132nd Place SE
Newcastle, Washington 98059-3153
www.asa2fly.com

Welcome to ASA's Instrument Pilot Virtual Test Prep

This course combines the sharp video of high-definition DVD and Blu-ray technology and the latest instructional aids with the expertise and experience of ASA's industry-leading test preparation materials for a comprehensive aviation ground school program.

Virtual Test Prep will teach you everything you need to know to ace the FAA Knowledge Exam. However, this is not merely rote memorization of the test questions and answers; the prep course promotes true understanding and application of the knowledge needed for the test. Using the latest 3D and animated graphics, in-flight video, and tips from real flight instructors from the classroom, in the airplane, and at airport, *Virtual Test Prep* will prepare you for the FAA Knowledge Exam and at the same time make you a better, safer, and more knowledgeable pilot.

GETTING STARTED

The best way to study for the FAA Knowledge Exam is simply to follow this course as presented in *Virtual Test Prep*, completing each lesson in the order given.

1. Recommended, not required: Begin by reading *The Complete Advanced Pilot* by Bob Gardner or *The Pilot's Manual: Instrument Flying* (sold separately). This text will serve as your foundation of the required aeronautical knowledge and is the recommended companion textbook.
2. Upon completion of the textbook, move on to the *Virtual Test Prep* for an instructional presentation of the required aeronautical knowledge. Each lesson contains typical FAA questions complete with explanations and the correct answers.
3. After completing a DVD lesson, use the ASA Prepware software and answer the questions for that subject using STUDY mode.
4. Continue with the next DVD lesson and work through the questions in Prepware using STUDY mode.
5. When you have finished all the lessons, use Prepware to take practice exams. Submit 2 scores of 80% or better to ASA to receive your instructor sign-off (endorsement) to take your official FAA Knowledge Exam.

SYSTEM REQUIREMENTS (WS DVDs)

Widescreen DVD discs: Television or computer DVD player. Compatible with both PC and Macintosh DVD systems.

SYSTEM REQUIREMENTS (BLU-RAY DISCS)

Blu-ray discs: Television or computer Blu-ray player. Compatible with both PC and Macintosh Blu-ray systems.

SYSTEM REQUIREMENTS (PREPWARE)

See included Quick Start Guide. Windows and Macintosh compatible. Internet access is required for software download, product registration as well as program and test question updates. 1024x768 minimum screen resolution, mouse or other compatible pointing device. PDF file reader for accessing supplemental support documentation.

Windows 345 MB available hard drive space. Windows XP, Vista, Windows 7, 8, 8.1 and 10. Microsoft .NET Framework v4.0. If your system does not have this version of .NET Framework already installed, the Prepware installer will install the correct version before installing the program.

Macintosh 365 MB available hard drive space. OS X Snow Leopard (10.6), Lion (10.7), Mountain Lion (10.8), and Mavericks (10.9).

PREPWARE INSTALLATION

Visit **www.asa2fly.com/prepnow** to download the current installer package for your type of computer, Windows or Macintosh. Follow the instructions listed at PrepNow to download, install and activate your software.

When the installation is complete, start the program using the Prepware icon on your desktop on **Windows** computers. To start Prepware on a **Macintosh** computer, open a new Finder window and select the Applications folder. Inside Applications you will find a listing for Prepware.

PACKAGE CONTENTS

Widescreen DVDs, Blu-ray discs, Quick Start Guide, Prepware activation code. Available upon completion: Graduation certificate and instructor sign-off. If any items are missing, contact the retailer from whom you bought the *ASA Virtual Test Prep*.

RUNNING VIRTUAL TEST PREP

1. Put the DVD into your player. The main menu will display.
2. Use the arrow buttons on your remote control or on-screen player to highlight your choice, and press ENTER to begin the lesson.
3. Although it is recommended you work through the lessons sequentially to take full advantage of building-block learning method, you can navigate directly to any lesson using the arrow buttons.
4. Press TITLE MENU within a given lesson to jump to the next discussion within that lesson. NEXT and PREVIOUS on your remote/on-screen player will skip ahead to the next subject within the lesson.
5. Press MENU on your remote or on-screen player when you want to return to the main menu to select a new lesson.
6. Press PAUSE, REWIND, or FAST-FORWARD on your remote or on-screen player to access these functions while watching a lesson.

SUGGESTED STUDY “ROAD MAP”

LESSON	WATCH AND LEARN	DO	DONE
	Virtual Test Prep (approximate running time)	Prepware*	
Introduction	Introduction (00:06:45)	Instructions	
1: Weather Concepts	Lesson 1 (01:20:00) - What is Weather - Circulation and Wind - Temperature & Moisture - Atmospheric Stability - Clouds and Fog - Air Masses - Fronts - Thunderstorms - Turbulence - Airframe Icing - Jetstream Expert Interview: Meteorologist Dave Salesky	Weather	

Continued on next page.

LESSON	WATCH AND LEARN	DO	DONE
	Virtual Test Prep (approximate running time)	Prepware*	
2: Weather Services	Lesson 2 (01:09:00) - METARS - TAF - Area Forecast - Pilot Reports - Winds and Temperatures Aloft - Inflight Weather Advisories - Enroute Flight Advisories - Convective Outlook - Surface Analysis Chart - Weather Depiction Chart - Radar Summary Chart - Constant Pressure Chart - Significant Weather Prognostics Expert Interview: Author and CFI Tom Horne	Weather Services	
3: Flight Instruments	Lesson 3 (01:43:00) - Airspeeds - Altitudes - Altimeter - Vertical Speed Indicator - Attitude Indicator - Turn Coordinator - Heading Indicator - Magnetic Compass - Slaved Gyro - Instrument Errors - Instrument Skills - Attitude Flying - Unusual Attitudes Expert Interview: NASA Research Scientist & Glass cockpit expert Steve Casner	Flight Instruments	

LESSON	WATCH AND LEARN	DO	DONE
	Virtual Test Prep (approximate running time)	Prepware*	
4: Navigation	Lesson 4 (01:24:00) - NAVAID Classes - DME - VOR - HSI - ADF - RMI - RNAV - ILS - GPS - Glass Panel Expert Interview: NASA Research Scientist & Advanced Avionics expert Steve Casner	Navigation	
5: Regulations and Procedures	Lesson 5 (01:29:00) - Instrument Rating - Currency - Equipment - Inspection - Oxygen - Logbook - Preflight - Airspace - Cloud and Visibility - Accident, Incident, NOTAMs - Spatial Disorientation - Optical Illusions - Lighting and Scanning - Altitude and Course - Communication Reports - Lost Communications Expert Interview: CFII & J.D. Roger Stenbock	Regulations and Procedures	
6: Departure	Lesson 6 (00:51:00) - Flight Planning - Clearance Requirements - ATC Clearances - Departure (DP) - Services - Responsibilities - Lighting & Signs - VFR On Top Expert Interview: CFII, Military Air Traffic Controller, Corporate Jet Pilot Ross Neher	Departure	

Continued on next page.

LESSON	WATCH AND LEARN	DO	DONE
	Virtual Test Prep (approximate running time)	Prepware*	
7: En Route	Lesson 7 (00:50:00) - Instrument Altitudes - Enroute Low Altitude Charts - Holding Procedures - Fuel Consumption - Estimating Time Enroute Expert Interview: ATP and renowned author Barry Schiff	En Route	
8: Arrival and Approach	Lesson 8 (01:00:00) - STARs - Communications - Terms & Abbreviations - Approach Charts - Radar Approaches - Visual & Contact Approaches - Approaches From Holding - Missed Approach - RVR - Inoperative Equipment - Approach Hazards - Closing the Flight Plan Expert Interview: CFII, Airline Pilot Tim Conroy	Arrival and Approach	
Test Tips	Test Tips (03:00)	—	
Total Running Time	09:48:00		
Bonus Disc: Subject Expert Interviews	Subject Expert Interviews (02:14:00) - Steve Casner - Tom Horne - Dave Salesky - Barry Schiff - Roger Stenbock - Ross Neher - Tim Conroy		

* You may use the *ASA Instrument Rating Test Prep* (sold separately) instead; this book shares the same organization and content as the Prepware software. It is another option for working through sample FAA test questions.

Upon completion of the course, your next step is to actually take the FAA Knowledge Exam. But before you can take the test, you need to do the following:

1. Take practice tests using Prepware software. You need to achieve 80% or higher on 2 tests to request your endorsement from ASA.
2. Show your two test results to your Ground or Flight Instructor for your sign-off. Alternately you may submit 2 practice tests to ASA. You will receive your endorsement as a PDF attachment within 24 hours of ASA receiving your practice tests.
3. Call your local FAA testing center to schedule your exam (the telephone numbers are provided in the Prepware Help menus). They will ask you what test you want to take (Instrument Rating, Airplane) and take your personal contact information. They will give you additional testing information and schedule a test time for you.
4. At the testing center, you need to show one valid piece of photo identification, such as a driver's license, a passport, or one additional signature ID. You will also need to bring your sign-off (endorsement) from a flight or ground instructor, or a printout of the endorsement you receive from ASA.

PRODUCT SUPPORT

ASA offers a variety of support options to help you get the most from your ASA product. If you have a question about your ASA product, consult the printed product documentation, review the ASA website, or contact ASA Product Support.

Online Support: www.asa2fly.com

Email Support: asa@asa2fly.com

Telephone Support: (available Monday through Friday), (425) 235-1500.

When emailing or calling for support, have your DVD player and the product documentation at hand. Be prepared to give the following information:

- The version of ASA *Virtual Test Prep* you are using.
- The type of DVD player you are using.
- A description of what happened and what you were doing when the problem occurred.
- How you tried to solve the problem.

Product Support is subject to ASA prices, terms, and conditions in effect at the time the service is used.

DVD AND BLU-RAY CARE AND HANDLING

1. Hold the discs by the edges or the center. Avoid touching or scratching the shiny disc surface.
2. Dirt, fingerprints, or smudges may cause playback problems.
3. Contaminants can be removed using standard CD cleaning products. Do not use cleaners or wipers.
4. Keep the discs out of direct sunlight.

LIMITED WARRANTY

Aviation Supplies & Academics (ASA) warrants *Virtual Test Prep*, (that, if) when properly operated on a DVD player for which it is designed, the program will perform substantially in accordance with the accompanying written materials for a period of 45 days from the date of purchase. ASA warrants *Virtual Test Prep* to be free from defects in materials and workmanship under normal use. This Limited Warranty is void if failure of the software has resulted from accident, abuse, or misapplication. ASA will replace the DVDs with the same version once the entire package (DVDs, manual, packaging) is received by ASA during the warranty period. All returns shall be sent to ASA, Software Warranty, 7005 132nd Place SE, Newcastle, Washington 98059-3153. ASA cannot accept responsibility for lost or damaged parcels.

ASA LICENSE AGREEMENT

By opening the packet containing the DVDs, you indicate your acceptance of the following ASA License Agreement. If you do not agree to the terms of this agreement, promptly return the complete product to your place of purchase. You may use this program on a single computer or television DVD player. Access to the program is limited to a single user. The software is owned by Aviation Supplies & Academics, Inc. (ASA) and is protected by United States copyright laws and international treaty provisions. Therefore, the program may not be copied. You may not rent, lend, or lease the program, but you may transfer the program and accompanying written materials on a permanent basis provided you retain no copies and the recipient agrees to the terms of this Agreement. You may not disassemble, decode or tamper with the program. If the program has been updated, any transfer must include the most recent update. You may not copy the written materials accompanying the program. In no event shall Aviation Supplies & Academics, Inc. (ASA) be responsible for any indirect, special, incidental, consequential or similar damages or lost data or profits. The purchaser is entitled to the benefit of the warranties provided by this license and warranty agreement only if the enclosed product is registered at www.asa2fly.com within 45 days of purchase. You agree to the Limited Warranty stated in this Quick Start Guide.

This license shall remain in effect until terminated as set forth in the Agreement. You agree that this Agreement will be governed by the laws of the State of Washington.

Please contact ASA if you have any questions concerning this Agreement. Write to:

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7005 132nd Place SE
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ASA PRODUCTS

ASA materials are used and sold by schools and retail locations worldwide. For information about the location nearest you and a free copy of the ASA catalog call:

ASA Sales and Service: (425) 235-1500

ASA Fax: (425) 235-0128

ASA Website: www.asa2fly.com

