

Welcome to the Communications Trainer Demo

Say Again Please, Guide to Radio Communications — Tutorial and Audio Review

ASA's *Communications Trainer* helps you master radio communications from your desktop and stereo. This innovative software and audio program is an invaluable tool for students who want to practice radio communications before their flights, and also for those with rusty communication skills, those who rarely fly into heavy airspace, those who want to practice copying and comprehending clearances, and those who want to sound like a pro — both VFR and IFR. *Communications Trainer* will help you understand the workings of Air Traffic Control (ATC) and your radio equipment, and learn what to say, what to expect to hear, and how to interpret clearances and instructions.

Applicable to both VFR and IFR operations, the tutorial is organized into chapters to reflect communications in all types of airspace and at all types of airport facilities. It features “live” talk examples of typical radio transmissions that explain how the air traffic control system works, and presents simulated flights that clearly demonstrate correct communication procedures in each class of airspace. Listen to what should be spoken and heard while an airplane traverses a sectional chart. You will gain an operational understanding of what happens where and when, so you have the confidence to fly into any airport or airspace. You will understand what you are being told, and know how to ask for the air traffic control services available to you.

Communications Trainer features an intuitive interface, a virtual sectional chart, and “live” pilot and ATC transmissions. Animations, movie clips, and original diagrams and figures support the textual descriptions. Audio clips are an intricate part of the tutorial. Read the briefing to gain an operational understanding of the tasks. See the sectional chart and Airport/Facility Directory excerpts to understand where the frequencies come from. Listen to real-world samples of aviation dialog. Watch a movie clip of the task being performed. Then, ensure you've learned the lesson by taking the interactive quiz that concludes each chapter.

Communications Trainer Contents

Tutorial

- The ABCs of Communicating (The Pilot-Controller Partnership, Doing Things By the Book, Can't We All Just Get Along, Mike Fright, Technobabble Not Spoken Here, Licensing, Hello Operator, Quiz)
- Understanding Your Equipment (Look At All Those Knobs and Buttons, Transceivers, GPS/Communication Devices, Squelch, Mikes, Speakers, Headphones, Boom Microphones, Intercoms, Audio Panels, Transponders, Handhelds, Quiz)
- A Matter of Procedure (Why You Have Two Ears and One Mouth, What's In A Name?, Say It All in One Breath, “Roger, Wilco, Over and Out”, Required Readbacks, Be Brief... But Clear, Similar Callsigns, Type Confusion, Communicating an Emergency, Simplex vs. Duplex, Hooked on Phonics, Quiz)
- Class G Airspace (There's Not Much Of It, UNICOM and MULTICOM, Let's Go Bore Some Holes in the Sky, You Want Fries With That, The Tower of Babble, When is a Tower Not a Tower, Summary, Quiz)

Class E Airspace (It's Your Typical Flight Environment, Departing Harvey Field, Over the Top of Paine Field, Extensions, Making Position Reports, Radar Flight Following, Handoffs, Terminating Radar Service, Requests and Clearances, Strange Field Entry, Departing a Strange Field in Class E, No Radio (NORDO), Special Visual Flight Rules, Summary, Quiz)

Class D Airspace (When is a Tower Not a Tower, "What's the ATIS?", Ground Control, Departures, "Request Frequency Change", Special Visual Flight Rules, Satellite Airports in Class D Airspace, Arriving at Olympia, In the Pattern and on Final Approach, Adjusting the Pattern, Night Operations, Landing, NORDO, Departing a Satellite Airport, Just Passing Through, UNICOM at Tower-Controlled Airports, Summary, Quiz)

Class C Airspace (Radar Required, When Class C is Not Class C, Transponder Use, Arrival, Departure, SVFR, Satellite Airports, "Piper 70497 Stand By", TRSAs, Summary, Quiz)

Class B Airspace (Clearance Required, Approach and Departure Control, Just Passing Through, Landing at the Primary Airport, Depart Airport in Class B Surface Area, Depart Satellite Airport Beneath Class B, Summary, Quiz)

Class A Airspace (It's for the Chosen Few, Quiz)

Automated Flight Service Stations (Service is Their Middle Name, Making Contact, Special Use Airspace, Flight Plans, Position Reports, Direction Finding Service, Where Is There a Hole, Flight Watch, Pilot Reports, Summary, Quiz)

The IFR Communicator (What's the Difference, Filing Your Flight Plan, OTP, Write it Down, "Cleared for Takeoff", "Request a Vector To...", On the Way, Holding, Enroute, Approach Clearances, Radar Approaches, Visual, Contact, and Circling Approaches, Missed Approaches, Practice Approaches, IFR Emergencies, Good Operating Practices, Summary, Quiz)

Now That You Know the System... (Teamwork, When All Else Fails, In Conclusion)

References (Communications Facilities, Airspace Definitions, Clearance Shorthand, Voice Communication Frequencies)

Audio Review

Track 1: A Matter of Procedure

Track 2: Nontowered Airports

Track 3: Class E In-Flight Communications

Track 4: Special VFR

Track 5: Class D Airspace

Track 6: Class C Airspace

Track 7: Class B Airspace

Track 8: IFR Communications

System requirements for Communications Trainer

Electronic Tutorial PC and Mac compatible: Windows 95/98/2000/NT/ME/XP or Mac System 7.5 or higher (not compatible with Mac OS 10), Pentium 166MHz or faster processor or PowerPC, 32 MB minimum RAM, 800x600 SVGA video adapter and monitor (Mac display with Thousands of Colors), 4-speed CD-ROM drive, mouse.

Audio Review: Any CD-ROM player.

System requirements for Communications Trainer Demo

QuickTime Version 4 (available from [Apple's Quick Time Download Page](#)). Previous versions must be un-installed prior to installing QuickTime Version 4. For online viewing, a current version of either Internet Explorer or Netscape, compatible with Apple's QuickTime plugin for online viewing. Check your browser's plugin page for compatibility.

Installing/Running Communications Trainer Demo

1. Turn your speakers on; the demo includes audio, as well as video and a text track
2. If you need to install Quicktime 4 first, download the [esapdemo.zip](#) file. This file includes the demo, the QuickTime 4 installer, and this readme file. After installing QuickTime 4, you'll be able to view the demo offline. If you currently have Quicktime 4 installed, and would like to view it online, simply click on the [eSAP Demo](#) link to begin downloading for online viewing. After it has run, you can then save it locally for future viewing.
3. For offline viewing, locate the eSAPdemo.mov, and double-click on it, or open Quicktime 4, and open the movie via its 'File' menu.

For both offline and online viewing

1. Press the large round button in the bottom of the screen (Play).
2. Use the space bar on your keyboard to pause and re-start the demo at any point.
3. Click and drag the diamond symbol in the bar to view any specific point in the demo.
4. If you are running with your monitor set to 800x600, press Ctrl+3 to resize the movie to fit your screen.

To Order Communications Trainer

Call ASA at 1-800-ASA-2-FLY (or 425-235-1500) to order **Communications Trainer**, or for an aviation retailer in your area. The program will include Three CD-ROMs (2 for the Audio Review, and 1 for the Tutorial), a Quick Start Guide, Registration Card, and the ASA Demo CD.

Communications TrainerASA-eSAP\$49.95