

**King Schools Online
Internet Learning Programs**

**TAWS
(Terrain Awareness and Warning System)**

SYLLABUS

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TAWS Course

Pilot Training Syllabus

INTRODUCTION

The King Schools Online *TAWS* Course is for the pilot who wants a clear understanding of what to expect from a *TAWS* system and how to respond to *TAWS* alerts. It will give you easy-to-remember actions if you receive a caution or warning during different phases of flight.

This course:

- Is suitable for initial or recurrent training
- Provides learning through individual Internet study
- Provides a graduation certificate
- Provides a logbook endorsement

COURSE ELEMENTS AND STRUCTURE

The King Schools Online *TAWS* Course contains six major subject areas (Labs) with one or more Lessons per Lab. Following each Lesson's study materials, the pilot takes a quiz containing multiple-choice and/or True/False questions. There are approximately 20 questions in the course. Most pilots will require approximately 45 minutes to complete this course.

COMPLETION STANDARDS

Lesson completion requires accessing each lesson page of study materials and correctly answering all questions in the quiz associated with that Lesson. An individual Lab is finished after completing all of the Lessons contained in that Lab. Pilots complete the course when all the Labs are checked off with a completion date on the course main menu.

CERTIFICATE OF COMPLETION

A Completion Certificate individualized for the pilot enrolled in the course and a logbook endorsement may be accessed at the "Print Your Course Complete Materials and Endorsement" icon/link on the main menu after the entire course has been completed. Pilots clicking the "Print Your Course Complete Materials and Endorsement" icon/link before the course has been completed receive a message saying that the certificate will be available after the entire course is completed.

ENROLLMENT PROCEDURES

A pilot may individually order and enroll in the course, or flight departments may order multiple courses and receive a "key" for each course ordered. The flight department then assigns a key to each pilot requiring training. Each pilot registers individually at <https://ilearn.kingschools.com> for the course.

COURSE STUDY

The pilot first enrolls in the course, and then logs in to access the course Labs and Lessons. If the pilot has insufficient time to complete the course in one session, the pilot may log out. The program records all Lesson and Lab completions and every question answered. When returning to the course, the pilot may resume at the last point of progress.

LAB 1

WHY TAWS IS SO IMPORTANT

LESSON

1 **The Purpose of TAWS—Avoiding CFIT**

Lesson Objective: To become aware of the purpose of TAWS, how it works, and when it is especially important.

2 **Why CFIT Happens**

Lesson Objective: To learn the causes of CFIT accidents in both instrument and visual meteorological conditions.

3 **TAWS Makes the Difference**

Lesson Objective: To learn about the dramatic change in CFIT accidents since incorporation of TAWS.

LAB 2

TAWS LEVELS AND THEIR EQUIPMENT

LESSON

1 **The Two Levels of TAWS**

Lesson Objective: To learn the types of operations that require TAWS-B or TAWS-A equipment.

2 **TAWS Equipment**

Lesson Objective: To understand the differences between the TAWS-B and TAWS-A systems.

LAB 3

THE ALERTS YOU WILL GET

LESSON

1 Alerts Make the Big Difference

Lesson Objective: To learn the alerts provided by a TAWS-B system and the additional alerts you will get from a TAWS-A system. You'll also study the criteria that generate these alerts.

2 How You Receive the Alerts

Lesson Objective: To become familiar with the methods that TAWS uses to get a pilot's attention. You will also learn about the "Inhibit" function and the limited circumstances under which you might consider using it.

LAB 4

WHAT TO DO WHEN YOU GET AN ALERT

LESSON

1 Take Action First—Figure It Out Later

Lesson Objective: To understand the basic considerations and traps to avoid when you receive a TAWS warning.

2 TAWS Alerts and Action Required

Lesson Objective: To learn the required pilot actions and maneuvers for each of the TAWS alerts.

3 Additional Alerts for TAWS A

Lesson Objective: To learn the appropriate actions for the additional alerts available with a TAWS-A system.

LAB 5

WHAT THE TERRAIN DISPLAY TELLS YOU

LESSON

1 **Displays Are for Planning**

Lesson Objective: To learn the value, limitations, and proper use of TAWS displays.

2 **Interpreting the Display**

Lesson Objective: To learn how the terrain displays convey information to you.

LAB 6

PRE-FLIGHTING YOUR TAWS

LESSON

1 **Testing Your System**

Lesson Objective: To learn about pre-flighting a TAWS system and to understand how to do the test on two different systems.