

# Leadplane Training Lesson Plan

## TAWS

12-02-N9065-HO

### **Objective:**

To develop the student's proficiency in the use of terrain awareness and warning system (TAWS) (Phase 2).

### **Content:**

Terrain awareness and warning system (TAWS) aims to prevent "controlled flight into terrain" (CFIT) accidents. TAWS works by using digital elevation data and airplane instrumental values to predict if a likely future position of the aircraft intersects with the ground. The flight crew is thus provided with earlier aural and visual warning of impending terrain, forward looking capability, and continued operation in the landing configuration.

Outside of the leadplane mission this is a helpful tool in avoiding CFIT accidents. During the leadplane mission the TAWS would be a distraction and would be alerting the pilot to possible CFIT situations continuously.

Leadplane pilots need to disable the TAWS prior to going low level for mission operations. It is important for the pilot to enable the TAWS after climbing to altitude after a mission.

Pilots should avoid becoming desensitized to TAWS. At no time should a TAWS warning be disregarded.

### **Completion Standards:**

The lesson is complete when the student can demonstrate the use of TAWS in a fire environment. Safety will never be in question and the use of the TAWS will be accomplished without the reliance on the evaluator.