

CFIT

(CONTROLLED FLIGHT INTO TERRAIN)

PILOT SPECIALTY COURSE SERIES

SUMMARY

Covers the basic concepts of Controlled Flight Into Terrain (CFIT), including CFIT risk, flight crew errors leading to CFIT, and Systems and procedures designed to prevent CFIT occurrences.



TARGET POPULATION

Experienced Airline Pilots

Great for pilots requiring initial or recurrent training.



REGULATORY COMPLIANCE*

- ICAO / EASA / FAA / Transport Canada
- Maintains compliance with IOSA standards



DELIVERY MODE

100% online, self-guided



COURSE LENGTH

1 hour, 30 minutes

LESSON 1: Basic Concepts

- Definition
- Statistics
- Trends
- Terrain Awareness and Warning System (TAWS)

LESSON 2: CFIT Risks

- Terrain and obstacles
- Environment
- Visual illusions including the effect of runway slope/width, lighting and obstructions to visibility
- Operational procedures
- Communications

LESSON 3: Flight Crew and CFIT

- Lack/loss of situational awareness
- Altimeter setting errors, cross checking, QNH and QFE, and metric altimeter settings
- Human Factors, automation, crew resource management and communications errors

LESSON 4: CFIT Accidents

- American Airlines Flight 965 in Cali, Columbia
- Cross Air Flight 3597 in Zurich, Switzerland

LESSON 5: CFIT Prevention

- Aircraft equipment
- Minimum Safe Altitude Warning Systems (MSAWS)
- Ground Proximity Warning Systems (GPWS)
- Enhanced GPWS
- Crew Resource management

*** REGULATORY COMPLIANCE:** This course provides the core elements of the CFIT training, ground school component outlined in the:

- ICAO guidance material on Ground Proximity Warning System (GPWS) APRAST/3-WP/6 Annex B
- FAA Controlled Flight Into Terrain Education and Training Aid

Operator remains responsible for obtaining approval from the regulatory authority.