

WPR22LA251

OPERATIONAL FACTORS

Attachment 12

Corporate Air Flight Operations Training Manual [Excerpt]

March 15, 2023

FOTM

The Aircraft Recurrent Ground Training will include:

- General operational subjects including airport ground operational safety, flight crew procedures during taxi operations, Parts 91 and 135 single pilot.
- Aircraft Systems
- Systems integration
- Special operations, such as windshear

Meteorology 135.345(a)(3) 8900.10 3-1145 D

Basic weather definitions

Temperature, pressure and winds

Atmosphere moisture and clouds

Air masses and frontal systems

Thunderstorms, operations near thunderstorms, icing, fog and windshear

High altitude weather situations

Severe Weather (Recognize, avoid & escape, operations near severe weather activity)

Meteorology and Adverse Weather Practices including procedures when operating in the following: [135.345(a)(3) & 8900.10 3-1203-C]

Icing and hail

Ground De-icing and Anti-Icing Procedures

Turbulence

Heavy Precipitation

Thunderstorms with associated windshear and microburst phenomena

Low visibility, including fog

Contaminated runways

High Altitude Weather Situations

Severe Weather Situations [135,345(b)(5)(i)(ii)(iii)]

Procedures for recognizing and avoiding severe weather situations

Procedures for escaping from severe weather situations

Low altitude windshear

Icing, turbulence, thunderstorms

Operating in or near thunderstorms (including best penetration altitudes), turbulent air (including clear air turbulence) icing, hail, and other potentially hazardous meteorological conditions

Recurrent Flight Training Emphasis Considerations: The Recurrent Flight Training Curriculum outlines should address all the required training events listed in the flight training maneuvers table. However, during RFT, specific training on every event is unnecessary unless it is needed for maintaining pilot proficiency on particular events. It is national direction and guidance that during periods of RFT, that training emphasis should be on those events or other maneuvers or procedures not normally encountered during routine line operations, such as abnormal or emergency procedure training or windshear training. Additionally, training on new or revised maneuvers or procedures, new equipment, or other similar areas is ideally suited for periods of RFT. Time should be allotted to conduct training in maneuvers or procedures the airman wishes to practice, or in certain operational areas in which deficiencies have surfaced during proficiency or line checks, indicating a need for additional training.

OTHER FLIGHT PROCEDURES
Ice Accumulation on Airframe Air Hazard Avoidance (Wake Turbulence) CFIT Escape/EGPWS Windshear Recovery

Meteorology

Principles of frontal systems

Icing

Fog

Thunderstorms

Windshear

Procedures for:

Recognizing and avoiding severe weather situations

Escaping from severe weather situations, in the event of an inadvertent encounter, including low altitude windshear

Escape Maneuvers (CFIT, Windshear)

General Operational Subjects

The subject of ground training, referred to as "general operational subjects", includes instruction on the following operational requirements:

- A. Weight and Balance
- B. Performance
- C. Flight Planning
- D. Approved Aircraft Flight Manual/Aircraft Operating Manual (As Appropriate)
- E. Windshear Training
- F. Crew Resource Management (CRM)

Windshear Training Module

- 1. Windshear Weather
- 2. Lessons Learned From Windshear Encounters
- 3. Model of Flight Crew Actions

Adverse Weather

- 1. Icing
- 2. Turbulence
- 3. Heavy Precipitation
- 4. Thunderstorms
- 5. Micro Burst
- 6. Low Level Windshear

Inflight Maneuvers

- a. Powerplant Failure (Including Shutdown and Restart)
- b. Windshear

Training Boom

- **Weather Hazards**

In this lesson, we covered some of the hazards that weather can present to aviation. As a pilot, it's vital to understand weather hazards, how to recognize them, and how to avoid--and survive--them. The weather hazards we discussed were:

- Thunderstorms
- Icing and frost; and
- Turbulence

- **Windshear Avoidance**

In this lesson, we've covered:

- The fundamentals of windshear;
- The types of weather conducive to windshear;
- Windshear recovery; and
- Best practices for windshear avoidance.

Learn to recognize and cope with windshear:

- Know when windshear is (or may be) present;
- Anticipate what the magnitude of windshear *could be* and the affect it *could* have on your aircraft;
- Always be prepared to respond or go around immediately when windshear is encountered; and,
- Know and follow the windshear escape guidance provided in your Aircraft Flight Manual, Operations Manual or Handbook, and company SOPs.