

## **Overview**

Discussion of aircraft systems and subjects required by 14CFR 135.293 (a) (1)

Discussion of company operations specifications

Discussion of company operations manual

Questions?

## **Oral Quiz**

Describe your company's Duty-Time limitations for flight crewmembers.

Describe the use of your company's Flight Locating Procedures.

Describe the procedure for performing maintenance away from your home base.

When is an alternate airport required under part 135?

What must the weather be at the alternate airport in order to use it as an alternate?

If shoulder harnesses are installed on all aircraft seats, must the rear seat passengers fasten the harness for takeoff and landing?

Under what conditions may you conduct a flight without a working transponder?

If you have an approved MEL for this type aircraft, describe its use.

What restrictions apply if you lose your DME while cruising above FL 240?

When does transponder and pitot static equipment need to be checked?

What procedures does this company use to determine that the aircraft is in an airworthy condition prior to the flight?

What procedure is used for reporting mechanical irregularities after a flight?

What is the minimum altitude for use of the autopilot in this particular airplane?

Can you allow a passenger to keep the wings level on a part 135 flight?

Can a passenger carry a hunting rifle in a locked case as carry-on baggage?

Can a passenger bring a six-pack of his own beer to drink on a flight?

Describe the requirements for supplemental oxygen for crew and passengers.

Describe this company's operations specifications authorizations, including:

1. Areas of operations
2. Conditions of operations
3. Types of approaches
4. Approved aircraft
5. Lower than standard takeoffs

Does this company carry hazardous materials?

While being radar vectored, an approach clearance is received. The last assigned altitude should be maintained until what point?

What does the absence of the procedure turn barb on the plan view of an approach chart indicate?

What are the conditions necessary for the formation of

cumulonimbus clouds?

What is the term used to describe streamers of precipitation trailing beneath clouds but evaporating before reaching the ground?

What type of clouds and precipitation characterizes a moist, unstable air mass?

What situation is most likely to result in freezing precipitation?

How are these speeds used?  $V_a$ ,  $V_{mc}$ ,  $V_{yse}$ ,  $V_{fe}$ ,  $V_{le}$ ,  $V_{lo}$

Describe the landing gear system, and its normal operation

Describe manual operation of the L.G. system.

What approach category applies to this airplane?

What equipment on board should be used prior to entering icing conditions?

What speed will you use for holding?

What is the approximate power setting to obtain this speed?

How would an emergency descent be accomplished in this airplane?

Give an example of a time an emergency descent procedure would be called for.

What instruments are affected by vacuum pump failure?

Are alternators belt, or gear driven?

Discuss worksheet items and load manifest.

## ***Preflight Briefing***

I will assume the role of ATC by issuing a clearance.

You will handle communications of a routine nature. I may take the mike to negotiate with ATC for any special handling required for the flight.

At MDA or DH, I will either say nothing or call runway in sight. If I say nothing, a missed approach will be executed.

Engine Failure Procedures:

I will not cut a mixture below 3000' AGL except below 50% of VMC on the runway.

Unless I indicate otherwise, we will simulate feathering after a mixture cut.

I will not cut an engine with the fuel selector, or by any other means not seen by you. If an engine quits for no obvious reason, we will treat it as an actual engine failure.

Flight

Passenger briefing required for a part 135 flight.

Describe how you would give a preflight briefing to a blind person.

As a passenger on a charter flight, how much ammunition may I carry on board?

Low-visibility takeoff.

Engine failure during takeoff roll. Power restoration after appropriate action is performed.

Departure to airspace where maneuvers can be performed.  
Clearing Turns, then perform steep turn in each direction.

Perform slow flight. Recover at the first indication of stall.

Unusual attitude recovery.

Explain or demonstrate procedure for manual extension of landing gear.

Issue clearance for non-precision low approach.

Heading Gyro fails after final approach course intercept.

Perform approach and low approach.

Engine failure after starting the missed approach procedure. Power restored after establishing course toward missed approach holding fix.

Clearance for second non-precision approach.

Engine failure prior to executing missed approach during circling minimums.

Power restored prior to missed approach.

Issue clearance for ILS.

Perform ILS with use of Autopilot.

Missed approach, Issue clearance for second ILS.

Fail right engine during procedure.

Circle to land with engine inoperative. Applicant to determine which direction to circle.

Full stop landing.