



**Federal Aviation
Administration**

Initial En Route Qualification Training

**Lesson 39
Weather Hazards
and Controller
Responsibilities
End-of-Lesson Test**

Course 50148001

Intentionally left blank

Initial En Route Training

Lesson 39

Weather Hazards

End-of-Lesson Test – Variation 1

Lesson Objectives:

On an End-of-Lesson Test, and in accordance with FAA Orders JO 7110.65 and 7210.3, you will identify conditions and controller actions for three main aviation weather hazards:

- Icing
 - Turbulence
 - Thunderstorms
-

Directions: Items 1 through 7 are multiple choice. Indicate your selection by circling the appropriate letter.

1. Instrument Meteorological Conditions (IMC) is _____.
 - A. an instrument in the aircraft that measures meteorological conditions in the vicinity of the aircraft.
 - B. is a failure of the aircraft instruments due to meteorological conditions.
 - C. when the pilot is unable to navigate using instruments due to meteorological conditions.
 - D. when the pilot is only able to navigate using instrument references inside the cockpit.

2. Air Traffic Controllers should solicit PIREPs in which of the following situations or conditions? (**Select all that apply.**)
 - ___ Ceilings at or below 5,000 feet exist
 - ___ Light icing
 - ___ Visibility of 5 miles
 - ___ Turbulence, moderate or greater

WEATHER HAZARDS
End-of-Lesson Test – Variation 1 *(Continued)*

3. A SIGMET is a report of potential hazards intended for whom?
 - A. Weather specialist
 - B. Air Traffic Controllers
 - C. Aircraft crews
 - D. Passengers

4. What is one of the most important sources of icing information?
 - A. PIREP
 - B. Ground-based ATC weather reports
 - C. Airport tower controllers
 - D. Radar weather displays

5. Severe to extreme turbulence is assumed to exist with _____.
 - A. High winds
 - B. Icing conditions
 - C. Thunderstorms
 - D. Cold fronts

6. The area of the precipitation returns associated with a thunderstorm on the radar screen is
 - A. frequently smaller than the actual cumulonimbus cloud
 - B. frequently larger than the actual thunderstorm
 - C. accurately depicted on the radar screen
 - D. only accurate if the thunderstorm includes heavy precipitation

WEATHER HAZARDS
End-of-Lesson Test – Variation 1 *(Continued)*

7. A Center Weather Advisory is...
- A. Used to alert pilots of adverse weather conditions
 - B. Only issued to air traffic controllers
 - C. Used only if severe thunderstorm conditions are imminent
 - D. Issued daily