

# Flightfax 5

Cold WX

1. The Army groups cold temperatures into five categories, what are the categories? (ATP 3-90.97)

**Answer:**

- *Wet-cold:* +39°F to +20°F (4°C to -6°C).
- *Dry-cold:* +19°F to -4°F (-7°C to -20°C).
- *Intense-cold:* -5°F to -25°F (-20°C to -32°C).
- *Extreme-cold:* -26°F to -40°F (-32°C to -40°C).
- *Hazardous-cold:* -40°F (-40°C) and below.



2. In accordance with TC 3-04.4, what is the most hazardous condition associated with flying in cold weather (excluding aircraft preflight)?

**Answer:** Aircraft structural icing.

3. The National Weather Service categories for visibility restriction caused by snow defines light snow as visibility greater than \_\_\_\_\_ statute mile or more. By this definition, light snow could be a serious restriction to visibility. The effects of snow and its inherent dangers to flight operations are covered in more detail in TC 3-04.04, Chapter 3.

**Answer:** One-half (½).

4. True or False: Rotor blade icing begins near the blade tip. This ice buildup may cause loss of lift, which requires additional engine power.

**Answer:** False, rotor blade icing begins near the blade root (TC 3-04.4).

5. How does TC 3-04.4 define flat light?

**Answer:** Flat light is a variation of the height-depth illusion, also known as sector or partial whiteout. It is not as severe as whiteout, but the condition causes crewmembers to lose their depth-of-field and contrast in vision.

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