AIM 4/20/23

TBL 7-1-10 **Icing Conditions**

Appendix C Icing Conditions Appendix C (14 CFR, Part 25 and 29) is the certification icing condition standard for approving ice protection provisions on aircraft. The conditions are specified in terms of altitude, temperature, liquid water content (LWC), representative droplet size (mean effective drop diameter [MED]), and cloud horizontal extent. Forecast Icing Conditions Environmental conditions expected by a National Weather Service or an FAA—approved weather provider to be conducive to the formation of inflight icing on aircraft. Freezing Drizzle (FZDZ) Drizzle is precipitation at ground level or aloft in the form of liquid water drops which have diameters less than 0.5 mm and greater than 0.05 mm. Freezing drizzle is drizzle that exists at air temperatures less than 0.5 mm. Freezing drizzle is drizzle that exists at air temperatures less than 0.5 mm. Freezing drizzle falling through or outside of visible cloud. Freezing Precipitation Freezing precipitation is freezing rain or freezing drizzle falling through or outside of visible cloud. Rain is precipitation at ground level or aloft in the form of liquid water drops which have diameters greater than 0.5 mm. Freezing rain is rain that exists at air temperatures less than 0.5 mm. Freezing rain is rain that exists at air temperatures less than 0.5 mm. Freezing rain is rain that exists at air temperatures less than 0.5 mm. Freezing rain may or may not be present. Icing in Cloud Icing occurring within visible cloud. Cloud droplets (diameter < 0.05 mm) will be present; freezing drizzle and/or freezing rain may or may not be present. Icing in Precipitation Icing occurring from an encounter with freezing precipitation, that is, supercooled drops with diameters exceeding 0.05 mm, within or outside of visible cloud. Known Icing Conditions Atmospheric conditions in which the formation of ice is observed or detected in flight. Note- Because of the variability in space and time of atmospheric conditions, the existence of a report of observed icing		
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	Supercooled Large Drops (SLD)	

7-1-21. PIREPs Relating to Turbulence

a. When encountering turbulence, pilots are urgently requested to report such conditions to ATC as soon as practicable. PIREPs relating to turbulence should state:

- 1. Aircraft location.
- 2. Time of occurrence in UTC.
- **3.** Turbulence intensity.
- **4.** Whether the turbulence occurred in or near clouds.
- **5.** Aircraft altitude or flight level.

7–1–48 Meteorology