

FAA TYPE IV HOLDOVER TIME GUIDELINES

TABLE 4. FAA GUIDELINES FOR HOLDOVER TIMES SAE TYPE IV FLUID MIXTURES AS A FUNCTION OF WEATHER CONDITIONS AND OUTSIDE AIR TEMPERATURE

CAUTION: THIS TABLE IS FOR DEPARTURE PLANNING ONLY AND SHOULD BE USED IN CONJUNCTION WITH PRETAKEOFF CHECK PROCEDURES.

Outside Air Temperature		Type IV Fluid Concentration Neat-Fluid/Water (Volume %/Volume %)	Approximate Holdover Times Under Various Weather Conditions (hours: minutes)					Other [‡]
Degrees Celsius	Degrees Fahrenheit		Freezing Fog	Snow/Snow Grains	Freezing Drizzle*	Light Freezing Rain [†]	Rain on Cold Soaked Wing**	
-3 and above	27 and above	100/0	1:15-2:30	0:35-1:15	0:40-1:10	0:25-0:40	0:10-1:05	CAUTION: No holdover time guidelines exist
		75/25	1:00-1:45	0:20-0:55	0:35-0:50	0:15-0:30	0:05-0:40	
		50/50	0:15-0:35	0:05-0:15	0:10-0:20	0:05-0:10		
below -3 to -14	below 27 to 7	100/0	0:20-1:20	0:20-0:40	***0:20-0:45	***0:10-0:25		
		75/25	0:25-0:50	0:15-0:35	***0:15-0:30	***0:10-0:20		
below -14 to -25 or LOUT	below 7 to -13 or LOUT	100/0	0:15-0:40	0:15-0:30				

THE RESPONSIBILITY FOR THE APPLICATION OF THESE DATA REMAINS WITH THE USER.

* Use light freezing rain holdover times if positive identification of freezing drizzle is not possible

** This column is for use at temperatures above 0 °C (32 °F) only

*** No holdover time guidelines exist for this condition below -10 °C (14 °F)

‡ Snow pellets, ice pellets, heavy snow, moderate and heavy freezing rain, and hail

† Use light freezing rain holdover times in conditions of light snow mixed with light rain.

CAUTIONS:

- THE TIME OF PROTECTION WILL BE SHORTENED IN HEAVY WEATHER CONDITIONS. HEAVY PRECIPITATION RATES OR HIGH MOISTURE CONTENT, HIGH WIND VELOCITY, OR JET BLAST MAY REDUCE HOLDOVER TIME BELOW THE LOWEST TIME STATED IN THE RANGE. HOLDOVER TIME MAY BE REDUCED WHEN AIRCRAFT SKIN TEMPERATURE IS LOWER THAN OAT.
- SAE TYPE IV FLUID USED DURING GROUND DEICING/ANTI-ICING IS NOT INTENDED FOR AND DOES NOT PROVIDE PROTECTION DURING FLIGHT.