

ISSUED UNDER THE AUTHORITY OF:

Dominiek De Roo
Center Manager – CAE OAA Phoenix
Contact: Dominiek.DeRoo@cae.com

BACKGROUND INFORMATION:

Phoenix's summer climate causes significant risk of heat stress on our flight operations and therefore the need for a policy in regard to summer flight operations.

POLICY

All Aircrews:

1. All students/instructors will be briefed on proper hydration, heat stress, dehydration, and securing of water bottles in aircraft. This training is available on the Safety LMS: cae.oxfordinteractive.com
2. One Liter of water per flight minimum, and will be required for solo flight authorization.
3. **Outbound:** If the temperature (as reported by ATIS or AWOS) or heat index (as reported by Dispatch) is equal to 43 degrees Celsius or higher, flights will not be dispatched out at KFFZ without express written permission from a Manager which will be documented on the FRAT form (line 2-16 will be scored, and the Manager's comments and signature will be recorded on the form). The higher of the two temperatures will be used (for example, Dispatch reports a heat index of 42.6 and Tower reports a temperature of 43, then 43 is the current temperature). If already in the cockpit (preflight complete) and ATIS reports 43 or higher, you may continue your lesson (unless your lesson is solely pattern work). This temperature limitation does not apply to turbine aircraft.
4. **Inbound:** If you are out on a flight and ATIS or AWOS reports temperature equal to or greater than 43 Celsius, you may continue your lesson, but then only a full stop landing can be made at KFFZ upon return. Repetitive circuits at all airports are not permitted at or above this temperature. Practice instrument approaches are acceptable.

Also applicable for aircraft WITHOUT operable air-conditioning systems:

- The 4th flight of the day is voluntary, and must be requested by the instructor. Pilots are limited to 6 hours of flight time maximum per duty day. Simulator lessons do not count towards the 6 hour limitation. There will be a mandatory 1 hour air-conditioned period between the 2nd and 3rd flights, provided the 3rd flight or the combination of the 3rd and 4th flight is greater than 2 hours. Crews must plan to land at an air-conditioned location if landing away from Falcon.

Also applicable for aircraft WITH operable air-conditioning systems:

- 4 flights are permitted as long as it does not exceed duty day requirements in the Operations Manual.
- (Archer TX only) Air-conditioning systems must remain off when full power is required.
- (Archer TX only) All crews flying aircraft with operable air-conditioning must have received the company AirCon Briefing. Instructors will be responsible for training their students on the company AirCon Briefing. It is located on the Safety LMS (under Courses: "Flight Safety: Documents") and Aviobook.

Remember: It is the responsibility of the PIC as to the final authority of his/her aircraft. No flight will be permitted when aircraft performance data cannot be obtained from the Pilot's Operating Handbook (POH).

POLICY VALIDITY:

This policy is valid from June 1st through August 31st annually.

EXCEPTIONS AND REVIEW:

This policy will be reviewed annually

SCOPE:

CAE OAA Phoenix

NOTES:

- Dispatch will calculate the current heat index based on reported temperature and dewpoint from KFFZ Tower. In absence of a temperature and dewpoint from Tower, Dispatch will resort to the weather station for current temperature/heat index.
- When temperature or heat index is close to 43, Dispatch will call the Tower every 15 minutes to update operational temperature and heat index. This will be posted on the white board at Dispatch.