

COWGP 70-1

15 March 2024



Flight Operations Guidelines & Limitations



Colorado Wing
Civil Air Patrol

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PREFACE

This Colorado Wing pamphlet is maintained by Colorado Wing Operations, led by the Colorado Wing Director of Operations.

OVERVIEW

This pamphlet outlines guidelines and limitations used during flight operations in aircraft assigned to Colorado Wing. These guidelines are intended to increase safety, longevity of air assets, and standardize procedures used during air operations.

FLIGHT TRAINING AREAS

All pilots will abide by all local training area procedures when transiting or conducting flight operations in or around designated flight training areas in the Colorado Front Range.

Consolidated Reference

The Colorado Pilot Association has consolidated the flight training practice area information on the following website, which includes procedures and Foreflight overlays.

- [Colorado Front Range Training Areas](#)

Note: The Colorado Pilots Association does not create or define these practice areas. The flight schools in the respective areas come together to form these agreed upon areas. If you have questions about the areas, it is best to reach out to the flight schools at the airport nearest to the respective practice areas for questions.

STANDARD AIRCRAFT FUEL LOAD

Definition

The 'Standard Fuel Load' is the amount of fuel to be loaded (refueled) in the aircraft prior to the next flying evolution.

Guidelines

The Pilot in Command (PIC) may adjust the aircraft's fuel load before the next flying evolution to maintain both personal minimums and safety margins. The PIC should consider the mission

requirements, weight and balance calculations, and environmental factors in making this decision.

Aircraft Model	Standard Fuel Load
Cessna 172	30 Gallons
Cessna 182	40 Gallons
Cessna 206	60 Gallons
Gippsland GA-8	66 Gallons

COLD WEATHER OPERATIONS

The following guidelines regarding environmental conditions and outside air temperatures will be followed when operating aircraft assigned to Colorado Wing.

Air Temperature Limitations and Procedures

Temperature	Limitation
Overnight 20° F and below, OR Current OAT 30° F and below	Aircraft engines will be preheated unless aircraft is stored in a heated hangar, or an aircraft engine block heater is utilized overnight
Current OAT 20° F and below	No cadet orientation flights without COWG/DO or COWG/CC approval
Current OAT 10° F and below	No touch and go flight operations
Current OAT 0° F and below	No flight operations without COWG/DO or COWG/CC approval

CONCLUSION

It is important to note that the pilot in command always has the ‘final say’ on decisions related to flight safety, including flight planning and personal minimums.

VERSION CONTROL

Version 1.0	1 March 2024	Original
Version 1.1	15 March 2024	Change GA-8 Fuel load from 60 to 66 gallons