

## Training Segment Six

### a) Ground training in high altitude operations (FAR 61.31g, AC61-107)

- legal basis and regulatory framework for high altitude operations
- High altitude physics, aerodynamics, physiology and weather
- Flight operations at high altitude and in Class A airspace
- Aircraft systems and operational limitations of specific C340/400 aircraft
- Emergency procedures emphasizing rapid decompression and emergency descent

### b) Scenario based flight training: Plan and execute a flight to altitudes above FL 250

- plan, brief, and execute a flight with an en-route segment above FL250 in Class A airspace
- describe rapid decompression and emergency descent procedures
- use GPS, moving map, and VOR based navigation throughout the high altitude airspace system
- anticipate characteristic performance of aircraft in flight levels

#### Materials:

- Homestudy VAI high altitude operations presentation
- C340/400 checklists and bug charts
- Current instrument approach and high altitude en-route charts

#### Completion standards:

- Safely complete an high altitude instrument flight including takeoff, departure, en-route and proper and timely descent planning
- Demonstrate operational awareness of extreme environmental and weather conditions at high altitude
- Operate specific aircraft within performance limits and within safety margins specific to high altitude operations
- Demonstrate proper judgment in aeronautical decision making

Debriefing comments: \_\_\_\_\_

I have received the ground training described above and I have demonstrated knowledge and understanding of the review subjects and procedures described above.

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Signature of Pilot in Training in Training

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Signature of CFI