

July

MISSION ~~IM~~POSSIBLE

Your mission should you choose to accept it

Purpose to Fly – Get out and Fly!

Test Skills & Develop Knowledge

Easy – Safe

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UPPER WINDS

- Compare upper winds with forecast.
- Pull out the E6-B.
- You'll need: True Course, True Heading, Wind Correction Angle, Ground Speed, True Airspeed.

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Background – E6-B

1. Set True Course opposite TRUE INDEX.
2. Set center grommet on Ground Speed.
3. Determine Wind Correction Angle from True Course and True Heading and whether it is Right or Left of True Course.
4. Mark the wind dot where it intersects Wind Correction Angle and True Airspeed.
5. Rotate the wind dot so it is on the center line above the grommet.
6. Read the wind speed from grommet to wind dot.
7. Read wind direction opposite TRUE INDEX.

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Background

1. Upper winds are forecast – TRUE.
2. Forecast for 6,000, 9,000, 12,000 18,000.
3. Use other instruments in the aircraft, GPS, etc. to help you get the inputs needed.
4. Remember to convert magnetic values to true – Magnetic Variance at CEA3 is 15°E. Check CFS or maps for magnetic variance for the area you are doing this.

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UPPER WINDS

- Get Wind Speed and Direction from Forecast at 6,000 and 9,000 ft. Fly either option 1 or option 2.
- Option 1
- Fly a single True Course at each altitude and calculate wind speed and direction at 6,000, and 9,000 feet. Compare FCST to Calculated.
- Option 2
- Fly 3 legs each at 6,000 and 9,000 ft with 120° between each leg. Get an average wind speed and direction at 6,000 and 9,000 ft. For example, if the first True Course is 30° , the next two would be 150° and 270° . Compare FCST to Calculated.

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POINTS

Points can be marked as PIC or as a passenger

	Month	January	April	May
Information	Mission	Displaced RWY	RWY Markings - Width	Pancake Breakfast
	Date of Mission			
	ICAO Ident From			
	ICAO Ident To			
	Dist (nm) (one way)			
	Picture	Yes	Yes	
	GPS data			
	Your Comments			
Points	Dist (nm) one way	Yes	Yes	Yes
	Comment 1	X	Fly to a 60 ft rwy +100 pts	Attend + 200 pts
	Comment 2	X	X	X
	Total Points			

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POINT

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POINTS

Points can be marked as PIC or as a passenger

	Month	June	July	August
Information	Mission	Grass Strip	WS & Direction	
	Date of Mission			
	ICAO Ident From			
	ICAO Ident To			
	Dist (nm) (one way)		NA	
	Picture	Yes	NA	
	GPS data			
	Your Comments			
	Points	Dist (nm) one way	Yes	NA
Comment 1		Proper Soft Field Landing +100 points	1 Leg each at 6,000 and 9,000 ft, 100 pts per Leg	
Comment 2		Proper Soft Field Take-off +100 points	3 Legs each at 6,000 and 9,000 ft 100 pts per Leg	
Total Points				

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POINTS

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