

Flight					Aircraft		Identification		TAS [kts]	VAR [°E]	
Waypoint	TC [°]	MC [°]	Dist [NM]	Altitude	EET [min]	Wind [kts]	MH [°]	GS [kts]	EET [min]	ETO ATO	Notes

Climb: don't forget speed is lower!

TOD:

- 120kts (2NM/min) 500 ft/min (children <12y: 300)
- 1NM attitude change
- speed decreasing 2NM
- (•) approach check 2NM if needed

TH with wind:

- $\alpha_1 = (360 + TC - WH)\%360^\circ$ and sign = 1
- if $\alpha_1 > 180$: $\alpha_1 = (360 + WH - TC)\%360^\circ$ and sign = -1
- $\alpha_2 = \arcsin\left(\frac{WS}{TS} \cdot \sin \alpha_1\right)$
- $\alpha_3 = 180 - (\alpha_1 + \alpha_2)$
- TH = TC + sign · α_2
- GS = $\frac{\sin \alpha_3}{\sin \alpha_1} \cdot TS$

Fuel per hour: /h

	Theory		Realm	
	time	fuel []	time	fuel []
Trip:	:	:	:	:
Alternate:	:	:	:	:
Reserve:	0 :45		0 :45	
Minimum fuel:				
Extra +5%:				
Ramp fuel:				

	Mass []	Arm []	Moment []
Empty			
Front			
Rear			
Luggage			
0-fuel		min:	
		max:	
Fuel			
T-off	max:	min:	
		max:	

1 USG = 3.785 l
 1 Imp.G = 4.55 l
 1 l AVGAS = 0.72 kg
 1 USG Avgas = 6 lbs