NextGen
FLIGHT ACADEMY

N76646

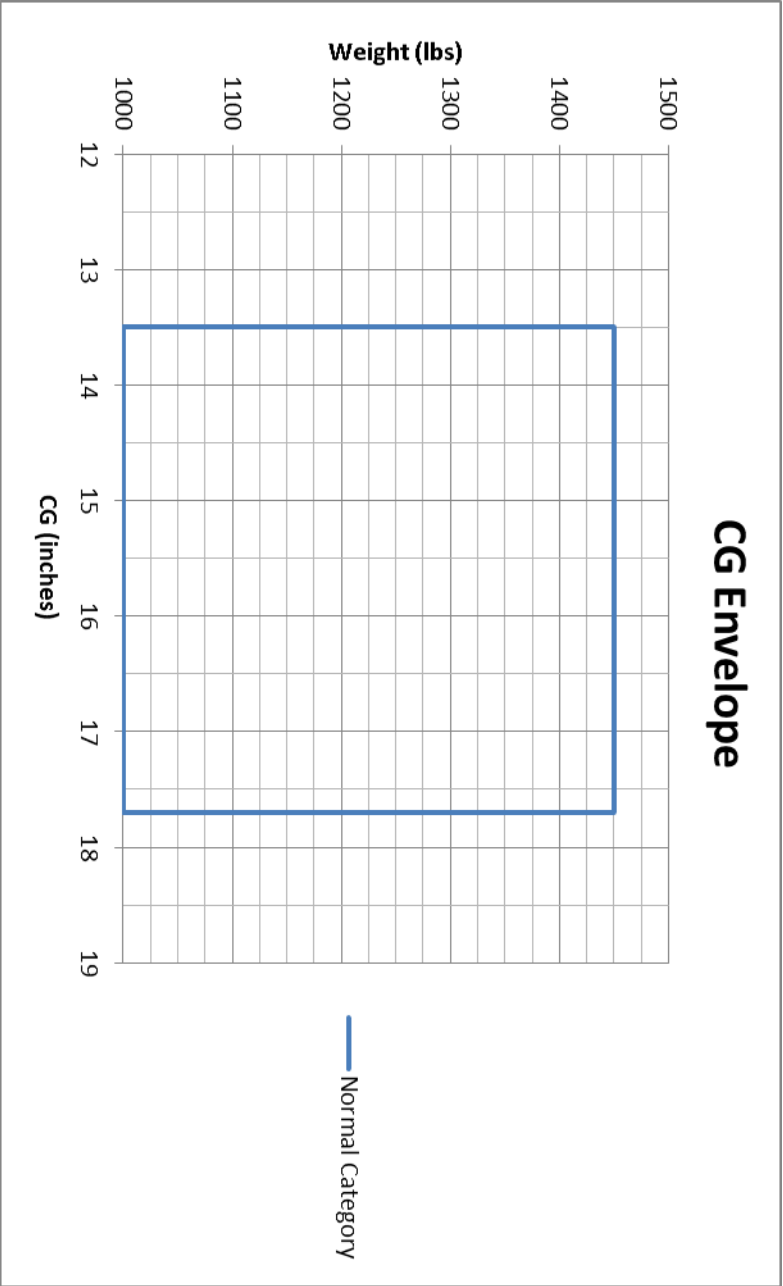| Station	Weight		Arm		Moment
Plane	953.8		14.0		13,368.0
Front Seats		x	19.5	=	
Baggage Area	+	x	37.5	=	+
Zero Fuel Weight	SUM		CG		SUM
Fuel	+	x	23	=	+
Total Ramp Weight	SUM		CG		SUM

CG Limits: +13.5 to +17.7 aft of the datum
Max Gross Weight: 1450 lbs

MOMENT = WEIGHT X ARM

CG= MOMENT/ WEIGHT

$$\frac{\text{WEIGHT TO BE SHIFTED}}{\text{TOTAL WEIGHT}} = \frac{\triangle CG}{\text{DISTANCE WEIGHT IS SHIFTED}}$$

NOTE: Should information herein conflict with that in the FAA-approved Flight Manual, the flight manual should take precedence.

CG Envelope

Weight (lbs)

1000 1100 1200 1300 1400 1500

CG (inches)

12 13 14 15 16 17 18 19

—— Normal Category

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