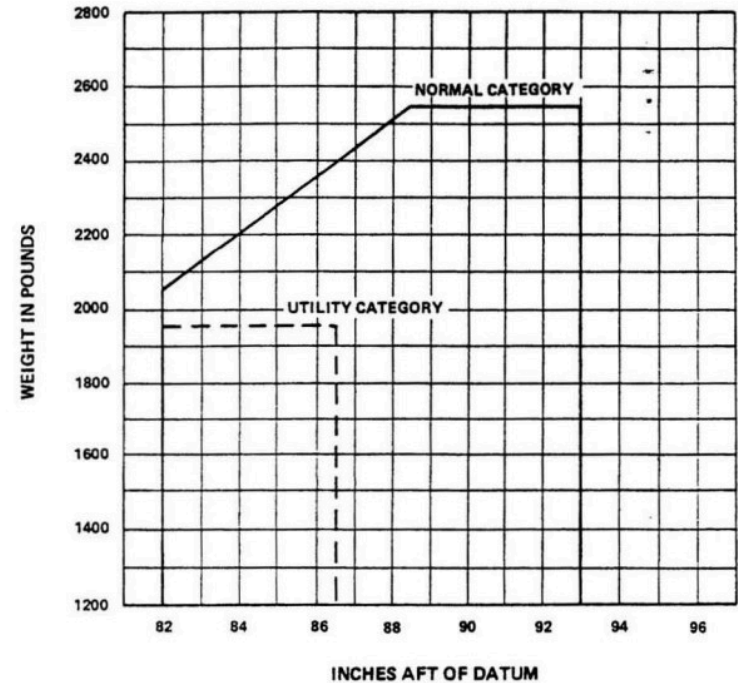


Completed by _____ Date _____ N-Number _____

Weight x Arm = Moment			
Basic Empty Weight			
Front Pilots	+		+
Rear Passengers	+		+
Baggage	+		+
<hr/>			
Zero Fuel Weight	=		CG =
Usable Fuel	+		+
<hr/>			
Ramp Weight	=		=
Taxi Fuel	-		-
<hr/>			
Takeoff Weight	=		CG =
Fuel Burn	-		-
<hr/>			
Landing Weight	=		CG =



Formulas

- weight x arm = Moment
- total moment ÷ total weight = Center of Gravity (CG)
- 100LL (blue) fuel weight = 6 pounds
- (29.92 - altimeter setting) x 1000 + field elevation = Pressure Altitude
- (OAT - ISA temp) x 120 + pressure altitude = Density Altitude
- Maneuvering Speed = $\sqrt{\left(\frac{\text{current weight}}{\text{max gross weight}}\right) \times V_{a \text{ weight}}^{\text{max gross}}}$

Pressure Altitude

Departure
Airport

Destination
Airport

Maneuvering Speed

Takeoff

Landing

Density Altitude

Departure
Airport

Destination
Airport

PILOT

Documents

61.3

- Pilot Certificate
 - logbook/endorsement
- Medical Certificate
- Government Issued Photo ID
- Radio Operating License

Inspections

- Illness
- Medication
- Stress
- Alcohol
- Fatigue
- Emotion

AIRCRAFT

Documents

- Airworthiness Certificate (91.203(a)(1))
- Registration Certificate (91.203(a)(2))
Expiration Date _____
- Radio Station License (47 CFR 87.18)
- Operating Handbook (91.9(b))
- Weight & Balance (23.2620)
- Placards (91.9(a))
- External Data Plate (45.11)
- Compass Deviation Card (23.1547)

Inoperative Equipment

91.213(d)

- _____
- _____
- _____
- MEL
 - TCDS/STC
 - Equipment list or KOEL
 - 91.205
 - ADs
 - Remove/ deactivate, placard, and record
 - PIC decision

Inspections

- Airworthiness Directives (Part 39)
AD# _____ Next Due _____
- AD# _____ Next Due _____
- AD# _____ Next Due _____
- AD# _____ Next Due _____
- Annual (91.409(a))
Next Due _____
- VOR (91.171)
Next Due _____
- 100 hour (91.409(b))
Next Due _____
- Altimeter / Static (91.411)
Next Due _____
- Transponder (91.413)
Next Due _____
- ELT (91.207)
Next Due _____
Battery Due _____
- Progressive (91.409(c))
Next Due _____
- Life-Limited Items (43.10)

ENVIRONMENT

NOTAMs

Departure

Enroute

Destination

Weather

Departure

Destination

Wind _____	Wind _____
Visibility _____	Visibility _____
Ceiling _____	Ceiling _____
Temp/Dew Point _____	Temp/Dew Point _____

Known ATC Delays

Runway Lengths

Departure

Destination

Alternatives Available

Fuel Required

FAA Minimum _____ *Personal Minimum* _____

Takeoff and Landing Distances

Ground Roll

50 ft Obstacle