LEA Acronyms, Mnemonics and Flow Checks

General

The four major factors to be considered when preparing for a flight. RISK MANAGEMENT

- **P**- Pilot
- **A-** Aircraft
- **V-** Environment
- **E-** External Pressures

Evaluation checklist used to determine mental and physical fitness before flight.

- **I-** Illness
- **M-** Medication
- **S-** Stress
- **A-** Alcohol
- **F-** Fatigue
- **E-** Eating/Emotions

Required Inspections

- **A**- Annual (91.409a)
- **V**- VOR (91.171)
- **1**- 100 Hour (91.409b)
- **A**- Ad's (Part 39)
- **T**- Transponder (91.413)
- **E**- ELT (91.207)
- **S**- Static System (91.411)

Required Instruments and Equipment
Day VFR FAR 91.205(b)

- **A-** Altimeter
- **T-** Tachometer
- **O-** Oil Pressure Gauge
- **M-** Manifold Pressure Gauge Each Engine
- **A-** Airspeed Indicator
- **T-** Temp Gauge (if engine is liquid cooled)
- **O-** Oil Temp Gauge
- **F-** Fuel Gauge for Each Tank
- **L-** Landing Gear Position Indicator
- **A-** Anti-Collision Lights
- **M-** Magnetic Compass
- **E-** Emergency Locator Transmitter
- **S-** Safety Belts

Night VFR FAR 91.205(c)
Equipment specified for Day VFR plus:

- **F-** Fuses
- **L-** Landing light (if operated for hire)
- **A** - Anti Collision Lights
- **P-** Position Lights
- **S-** Source of Electrical Power

Certificates and documents required to be on board the airplane.

- **A-** Airworthiness certificate (91.203)
- **R-** Registration Certificate (91.203)
- **(R)** - Radio Operators License - Title 47, 87.89O
- **O-** Operators Handbook (POH) (91.9)
- **W-** Weight and Balance information (91.9)

FAR 91.103 Required Preflight Action

- **N-** Notams
- **W-** Weather
- **K-** Known ATC Delays
- **R-** Runway Lengths and Conditions
- **A-** Alternate Airports (if required)
- **F-** Fuel Requirements
- **T-** Takeoff and Landing Distances

Pre Maneuver Checklist

- **C-** Clearing turns
- **R**- Radio Calls
- **A**- Altitude
- **G**- G.U.M.P.S
- **S**- Safe Landing Site

Pre Landing Checklist

- **G**- Gas (Selectors and Pumps)
- **U**- Undercarriage
- **M**- Mixture
- **P**- Props
- **S**- Seat Belts / Switches
- **C**- Carb Heat
- **C**- Cowl Flaps

LEA Acronyms, Mnemonics and Flow Checks

Lost Procedures
- **C**- Climb
- **C**- Circle
- **C**- Confess
- **C**- Comply
- **C**-Conserve

Spin Recovery
- **P**- Power Idle
- **A**- Ailerons Neutral
- **R**- Rudder – Opposite Direction
- **E**- Elevator – Push forward to break stall

INSTRUMENT FLIGHT

IFR Instruments and Equipment FAR 91.205(d).
- **G-** Generator/Alternator
- **R-** Radios
- **A**- Altimeter (pressure sensitive
- **B-** Ball (Turn coordinator)
- **C-** Clock
- **A-** Attitude Indicator
- **R-** Rate of turn (Turn coordinator)
- **D-** Directional Gyro

Compass Errors (Magnetic Dip)
- **A-** Accelerate
- **N-** North
- **D-** Decelerate
- **S-** South

Compass Error (Acceleration)
- **U-** Undershoots
- **N-** North
- **O-** Overshoots
- **S-** South

Complete upon receipt of approach clearance
- **A**- Airspeed
- **A**- ATIS/AWOS/ASOS
- **A**- Altimeter
- **A**- Avionics
- **A**- Approach

Complete upon crossing a fix
- **T**-Time
- **T**- Turn
- **T**- Twist
- **T**- Throttle
- **T**- Talk

Missed approach
- **C**- Cram
- **C**- Clean
- **C**- Climb
- **C**- Communicate

Required Radio Calls
- **M**- Missed approach
- **A**- Airspeed +/- 10 knots or 5% or TAS
- **R**- Reaching holding fix
- **V**- VFR on top
- **E**- Eta change +/- 3 minutes
- **L**- Leaving holding fix/point
- **O**- Outer marker
- **U**- Un-forecast weather
- **S**- Safety of flight
- **V**- Vacating alt/flight level
- **F**- Final approach fix
- **R**- Radio Nav failure

Communication Failure (91.175)

Route	Altitude
A- Assigned	**M**- MEA
V- Vector	**E**- Expected
E- Expected	**A**- Assigned
F- Filed	

LEA Acronyms, Mnemonics and Flow Checks

Multi Engine

Vmc Certification (23.149)

C- Critical engine wind milling
R- Rudder less than 150lbs
A- Aft CG
M- Most unfavorable weight
P- Power set for T/O
S- Sea Level Conditions
U- Under 5 degrees of bank
C- Configured for T/O
-Flaps
-Trim
-Gear Up

Multi Engine Configuration Flow

Fuel Selectors – On
Cowl Flaps – As Required
Primers – In and Locked
Carb Heat – As Required
Mixtures – Set Best Power
Props – As Required
Throttles – As Required
Gear – Verify in Desired Position
Engine Gauges – Verify normal
Magnetos – On
Fuel Pumps – As Required