



#### 14 CFR part 61.109 – Review with logbook

##### Private Pilot Aeronautical Experience Requirements

- 40 hours of flight time
- 20 hours flight training
- 3 hours Cross country training
- 3 hours of night flight training
  - One cross country of over 100NM
  - 10 Takeoffs and landings to a full stop at an airport
- 3 hours flight training in simulated IFR
- 3 hours of flight training within preceding 2 calendar months leading up to Checkride
- 10 hours solo
  - 5 hours solo Cross Country
  - One solo cross-country flight of 150 NM distance, 3 landings, one segment 50NM
  - Three takeoffs and landings to a full stop at an airport with an operating control tower

#### 14 CFR part 61.105

##### Airman Certification Standards

Use the book as a checklist, hit it every chance we get.

#### Abbreviated ACS

##### Preflight

- Qualifications
- Airworthiness
- Weather
- Cross Country flight planning
- Airspace
- Performance and limitations
- Operation of systems
- Human Factors
- Preflight assessment
- Flight deck management
- Engine starting
- Taxiing

##### Flight portion



- Before takeoff checklist
- Airport operations
- Traffic pattern
- Takeoffs
  - Normal
  - Soft field
  - Short field
  - Confined area
- Landings
  - Normal
  - Soft Field
  - Short field
  - Confined area
- Go around
- Forward slip to a landing
- Steep turns
  - $45^\circ$  Bank  $\pm 5^\circ$
  - Altitude  $\pm 100$  ft
  - Airspeed  $\pm 10$  kts
  - Rollout on entry heading  $\pm 10^\circ$
- Ground reference maneuvers
  - Rectangular course
  - S-turns
  - Turns around a point
  - Altitude  $\pm 100$  ft
  - Airspeed  $\pm 10$  kts
- Navigation
  - Pilotage
  - Dead reckoning
  - Altitude  $\pm 200$  ft
  - Heading  $\pm 15^\circ$
- Navigation Systems & Radar services
  - Altitude  $\pm 200$  ft
  - Heading  $\pm 15^\circ$
- Diversion
  - Altitude  $\pm 200$  ft
  - Heading  $\pm 15^\circ$
- Lost procedures
- Slow flight and stalls
  - Slow flight
    - Altitude  $\pm 100$  ft
    - Airspeed  $+10/-0$  kts
    - Heading  $\pm 10^\circ$
    - Bank angle  $\pm 10^\circ$
  - Power off stalls
  - Power on stalls
  - Spin awareness
- Basic instrument maneuvers



- Straight and level
  - Altitude  $\pm 200$  ft
  - Airspeed  $\pm 10$  kts
  - Heading  $\pm 20^\circ$
- Constant airspeed climbs & Descents
  - Altitude  $\pm 200$  ft
  - Airspeed  $\pm 10$  kts
  - Heading  $\pm 20^\circ$
- Turns to headings
  - Altitude  $\pm 200$  ft
  - Airspeed  $\pm 10$  kts
  - Heading  $\pm 10^\circ$
  - Standard rate turn
- Unusual attitudes
- Communications, navigation system/facilities, radar services under IFR
- Emergency operations
  - Emergency Descent
  - Emergency approach to land
  - Systems and Equipment malfunction
  - Emergency equipment and survival gear
  - Engine failure
    - Takeoff
    - After liftoff
    - Cruise
- Night operations
  - Refer to ACS
- Postflight

#### Recommended Reference materials:

Airman Certification Standards

High wing visualized flight maneuvers manual

FARAIM

Oral exam guide -ASA

Pilot's Handbook of Aeronautical Knowledge

Airplane flying handbook