

# Code of Federal Regulations

## Part 1 Definitions and Abbreviations

### Category / Class

Lighter than Air / Free Balloon  
Limited to hot Air Balloons with Airborne Heaters

### Pilot in Command

Final authority for the safe operation of the flight

## Part 61 Certification

### 61.3 Requirements to exercise privileges

61.5 Pilot certificate Category / class  
Government issued photo ID both in possession

61.57 Recent flight experience: PIC  
3 take-offs and landings to carry pax

61.19 Duration of pilot certificate  
No specific expiration date

61.56 Flight review – FR  
Every 24 calendar months  
1 hr. ground instruction  
FAR Part 91  
Normal and emergency procedures  
1 hr Flight  
Maneuvers at the discretion of instructor  
Logbook endorsement – has to be in the same basket

61.51 Pilot logbooks  
Date  
Flight time: solo / dual / PIC  
Departure station – all local  
A/C type & N-number  
All flight and ground training  
Endorsements: dual given  
BFR  
Ground instruction  
Recommendations: Written tests Private / Commercial  
Practical tests Private Commercial  
Student pilots can log time without student pilot certificate

- 61.35 Knowledge tests
  - Expires in 24 calendar months
  - CATS – instantly graded – raised seal
- 61.71 Graduates of 141 schools
  - Certificate good for 60 days
- 61.25 Change of name
  - Application accompanied by: current airmen’s certificate
  - Marriage license
  - Court order
  - Other document
- 61.60 Change of address
  - Notification within 30 days
- 61.27 Voluntary surrender or exchange of certificate
  - Cancellation – must retest
  - Issuance of a lower grade
  - Additional ratings
- 61.29 Replacement of Airmen’s Certificate or knowledge test
  - Submit request with: Name
  - Address
  - SS#
  - Date and place of birth
  - Date and place of test
  - Any other info
  - FAA Fax good for 60 days
- 61.7 Obsolete certificate
  - Before November 11, 1973
- 61.11 Expired certificate
  - Before July 1, 1945
- 61.14 Refusal to submit to a drug or alcohol test
  - Denial of an application for any certificate or rating for up to 1 year
  - Possible suspension or revocation / consider self disclosure
- 61.15 Offenses in involving alcohol or drugs
  - Denial of an application for any certificate or rating for up to 1 year
  - Second offence within 3 years must submit written report within 60 days

- 61.83 Eligibility requirements for Student pilots
  - 14 years of age
  - Read, speak, write and understand the English language
  - Expires after 24 calendar months
  
- 61.87 Solo requirements for student pilots
  - Presolo test:
    - FAR parts 61 & 91
    - Airspace
    - A/C performance for make & model
    - Normal and emergency procedures
    - Correctable to 100%
  - Pre-solo flight:
    - Logged flight training
    - Pre-flight planning
    - Layout and assembly
    - A/C systems
    - Accents & descents
    - Emergency procedures
    - Wind effect on climb and approach
    - Obstruction avoidance
    - Landing & recovery
  - Certificate endorsement expires in 90 days
  
- 61.89 General limitations
  - Cannot act as PIC of an A/C carrying pax
  - Cannot carry property for compensation or hire
  - Cannot fly for compensation or hire
  - Cannot fly in the furtherance of a business
  
- 61.95 Operations in class B airspace
  - Receive ground and flight training on class B airspace
  - Logbook endorsement good for 90 days
  
- 61.103 Eligibility requirement for Private pilots
  - 16 years of age
  - Read, speak, write and understand the English language
  - Logbook endorsement of ground training
  - Pass knowledge test
  - Logbook recommendation for private practical test

- 61.105 Aeronautical knowledge
  - FAR parts 61, 91 830 & AIM
  - Sectional charts
  - Radio communications
  - Weather analysis
  - Collision avoidance
  - A/C performance
    - Density altitude
    - Takeoffs & climb
    - Weight and balance
    - Theory of flight
    - Decision-making
  
- 61.107 Flight proficiency - to include but not limited to
  - Preflight preparations
  - Preflight procedures
  - Airport operations
  - Launch and landings
  - Performance maneuvers
  - Navigation
  - Emergency procedures
  - Post flight procedures
  
- 61.109 Aeronautical experience - Private
  - 10 hours of flight training
  - 6 flights
  - 1 solo flight
  - 1 flight up to 2000' agl
  - 2 flights 1 hour each 60 days before practical test
  
- 61.39 Prerequisites for practical test
  - Pass private knowledge test
  - Review deficient areas
  - Required flight and ground training
  - Meet age requirements
  - Logbook recommendation
  - Completed 8710-1
  
- 61.45 Practical test required aircraft
  - Same category and class
  - Current airworthiness certificate

- 61.47 Status of examiner
  - Examiner is not pilot in command
  
- 61.43 Practical test – general procedures
  - Perform all tasks required for rating sought in category and class
  - Outcome of each maneuvers never seriously in doubt
  - Demonstrate sound judgment
  - Failure of any area of operation fails practical test
  - Applicant may get credit for areas of operations passed if retest within 60 days
  
- 61.49 Retesting after failure
  - Present notice of disapproval
  - Logbook endorsement indicating additional training
  - 8710-1 form
  
- 61.17 Temporary certificate
  - Good for 120 days
  
- 61.115 Balloon ratings and limitations
  - Rating limited to hot air balloons with airborne heaters
  
- 61.113 Private pilot privileges and limitations
  - Can carry passengers
  - Can share expenses
  - Can fly if incidental to a business
  - Cannot fly for hire
  
- 61.123 Eligibility requirements for Commercial pilots
  - 18 years of age
  - Read, speak, write and understand the English language
  - Logbook endorsement of required ground training
  - Pass knowledge test
  - Logbook endorsement for commercial test
  - Hold at least a private pilot certificate
  
- 61.125 Aeronautical knowledge
  - FAR parts 61, 91 830 & AIM
  - Theory of flight
  - Meteorology and weather planning
  - Normal and emergency procedures
  - A/C performance
  - Navigational facilities and sectional charts
  - Airspace
  - Decision-making
  - Airport operations

- 61.127 Flight proficiency
  - Fundamentals of instructing
  - Preflight procedures
  - Technical subjects
  - Lesson planning
  - Airport operations
  - Performance maneuvers
  - Navigation
  - Emergency procedures
  - Post flight procedures
  
- 61.129 Aeronautical experience – Commercial
  - 35 hours flight time as pilot
  - 20 hours in balloons
  - 10 flights
  - 2 solo flights
  - 10 hours of flight training
  - 1 flight to 3000' agl
  - 2 training flight 1 hour each 60 day before practical test
  
- 61.133 Commercial pilot privileges and limitations
  - Can fly for hire
  - Can give flight and ground instruction
  - Can endorse logbooks for:
    - Private and commercial written
    - BFR or reGENCY of experience
    - Solo in class B airspace for student pilot
  - Can recommend students for:
    - Private and commercial practical test
  - Can endorse student pilot certificate for solo
  
- 61.189 Flight instructor records
  - All training given flight and ground
  - All endorsements and recommendations
  - Records must be kept for at least 3 years

- Part 91 General operating and flight rules
- 91.3 Responsibility and authority of pilot in command
  - Final authority
  - May deviate from this part to meet an emergency
  - Submit a report if requested
- 91.7 Civil aircraft airworthiness
  - PIC is responsible for determining A/C airworthiness
  - Current annual
  - Airworthiness certificate plainly visible
- 91.13 Careless or reckless operation
  - Prohibited from endangering life or property
- 91.15 Dropping objects
  - May not allow anything to be dropped that creates hazard to persons or property
  - Not prohibited if reasonable precautions are taken to avoid injury to persons
  - Or property
- 91.17 Alcohol or drugs
  - 8 hours between the bottle and the burner
  - Blood alcohol .04%
  - Not allowed to carry anyone who is intoxicated
- 91.111 Operating near other aircraft
  - Formation flight only with PIC concurrence
  - Formation flight not allowed with paying passengers
- 91.113 Right of way rules
  - Aircraft in distress has right of way over all others
  - Balloons have right of way over any other category of Aircraft
  - The lower balloon has right of way over the higher, but not to take advantage
- 91.119 Minimum safe altitudes
  - Congested areas:
    - 1000' above – 2000' horizontal distance from city, town, settlement or open-air assembly
  - Other than congested areas:
    - 500' from person, vehicle, vessel or structure
- 91.121 Altimeter settings
  - Reported altimeter setting
  - Field elevation

- 91.123 Compliance with ATC clearances and instructions
  - Must comply unless an emergency exists
  
- 91.125 ATC light gun signals
  - steady green – cleared for take off or landing
  - steady red – stop on ground or give way to other aircraft if airborne
  - Flashing red – Clear runway area on ground or airport unsafe if airborne
  - Alternating red and green – exercise extreme caution all phases of flight
  
- 91.133 Restricted and prohibited areas
  - May not conduct operations without prior permission
  
- 91.137 Temporary flight restrictions
  - Disaster areas or government activities
  - Listed on NOTAMS
  
- 91.145 Aerial demonstrations
  - AIBF
  
- 91.157 Special VFR weather minimums
  - ATC clearance
  - Clear of clouds
  - 1 mile visibility
  
- 91.209 Aircraft lights
  - Must have lighting for sunset to sunrise
  
- 91.211 Supplemental oxygen
  - Have to have supplemental oxygen for any flight between 12,500' – 14,000'
  - In excess of 30 minutes
  - Continuously above 14,000'
  
- 91.409 Inspection
  - Annual 12 calendar months
  - 100 hours for commercial operations
  
- 91.417 Maintenance records
  
- 91.419 Transfer of maintenance records
  
- 91.519 Passenger briefing
  - PIC responsible for passenger safety briefing before flight



- 91.703 Operations of U.S. civil aircraft outside United States  
Flight is governed that countries flight rules
- 91.135 Class A – “ All the fast guys ”  
48 contiguous states Hawaii & Alaska  
18,000’ – 60,000’  
12 miles off shore  
ATC clearance  
Two way radio communication  
Mode C transponder
- 91.131 Class B – “ Big boys ”  
12 airports  
Dimension vary – 10 mile radius on the surface out to 30 miles at the top  
Surface up to 10,000’  
Upside-down wedding cake  
ATC clearance  
Two way radio communication  
Mode C transponder  
Private pilots certificate or FAR 61.95 Student pilots  
3 miles and clear of clouds
- 91.130 Class C – “ Corporate Guys”  
122 airports  
5-mile radius on surface up to 4000’ or as depicted  
10 mile radius 1200’ up to 4000’  
ATC clearance  
Two way radio communication  
Mode C transponder  
No specific certification  
3 miles 500’ below – 1000’ above – 2000’ horizontal
- 91.129 Class D “ Dumb little airports ”  
4-mile radius surface up to 2500’ or as depicted  
ATC clearance when tower in operation  
Two way radio communication  
No specific certification  
3 miles 500’ below – 1000’ above – 2000’ horizontal

91.127 Class E “ Everyone else ”  
Surface for non-towered airports  
Start at 700’ – 1200’ if part of a control zone transition  
Up to 17,999’  
No specific certification  
No equipment’  
Below 10,000’ 3 miles 500’ below – 1000’ above – 2000’ horizontal  
Above 10,000’ 5 miles 1000’ below – 1000’ above – 1 mile horizontal

91.126 Class G “ Good old Boys “  
Surface to 700’ – 1200’agl  
No specific certification  
No equipment  
1 mile and clear of clouds

Part 830 Notification and reporting of aircraft accidents and incidents

830.2 Definitions

Aircraft accident:

Death if within 30 days

Serious injury

Substantial aircraft damage

Incidents involving – 830.5

Flight control malfunctions

In-flight fire

In-flight collision

Damage to property, other than aircraft, exceeding 25,000 dollars

Aircraft incident – anything that is not an accident

830.5 Immediate notification  
Nearest NTSB office

830.6 Information to be given  
Name of owner / operator  
Pilot in command  
Date / time  
Point of departure  
Accident site  
Soles on board and fatalities  
Nature of accident  
Weather conditions

830.15 Reporting of aircraft accident and incidents  
Written report of accident within 10 days  
Incident covered by 830.5 upon request

## Airmen's Information Manuel

Airport lighting, signs and surface markings

Airspace

ATC communications, Phraseology and clearances

Light gun signals

Notam contractions

Meteorology, weather reporting and METAR codes

Medical factors of flight

Sectional charts

Abbreviations and acronyms

Pilot / Controller glossary