## Subchapter F—Air Traffic and General Operating Rules

### Part 91—General Operating and Flight Rules

<table>
<thead>
<tr>
<th>Special Federal Aviation Regulation No.</th>
<th>50–2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Federal Aviation Regulation No.</td>
<td>69</td>
</tr>
<tr>
<td>Special Federal Aviation Regulation No.</td>
<td>77</td>
</tr>
<tr>
<td>Special Federal Aviation Regulation No.</td>
<td>79</td>
</tr>
<tr>
<td>Special Federal Aviation Regulation No.</td>
<td>87</td>
</tr>
<tr>
<td>Special Federal Aviation Regulation No.</td>
<td>97</td>
</tr>
<tr>
<td>Special Federal Aviation Regulation No.</td>
<td>104</td>
</tr>
<tr>
<td>Special Federal Aviation Regulation No.</td>
<td>107</td>
</tr>
<tr>
<td>Special Federal Aviation Regulation No.</td>
<td>108</td>
</tr>
</tbody>
</table>

#### Subpart A—General

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Applicability.</th>
</tr>
</thead>
<tbody>
<tr>
<td>91.1</td>
<td>Responsibility and authority of the pilot in command.</td>
</tr>
<tr>
<td>91.5</td>
<td>Pilot in command of aircraft requiring more than one required pilot.</td>
</tr>
<tr>
<td>91.7</td>
<td>Civil aircraft airworthiness.</td>
</tr>
<tr>
<td>91.9</td>
<td>Civil aircraft flight manual, marking, and placard requirements.</td>
</tr>
<tr>
<td>91.11</td>
<td>Prohibition on interference with crewmembers.</td>
</tr>
<tr>
<td>91.13</td>
<td>Careless or reckless operation.</td>
</tr>
<tr>
<td>91.15</td>
<td>Dropping objects.</td>
</tr>
<tr>
<td>91.17</td>
<td>Alcohol or drugs.</td>
</tr>
<tr>
<td>91.19</td>
<td>Carriage of narcotic drugs, marihuana, and depressant or stimulant drugs or substances.</td>
</tr>
<tr>
<td>91.21</td>
<td>Portable electronic devices.</td>
</tr>
<tr>
<td>91.23</td>
<td>Truth-in-leasing clause requirement in leases and conditional sales contracts.</td>
</tr>
<tr>
<td>91.25</td>
<td>Aviation Safety Reporting Program: Prohibition against use of reports for enforcement purposes.</td>
</tr>
<tr>
<td>91.27–91.99</td>
<td>[Reserved]</td>
</tr>
</tbody>
</table>

#### Subpart B—Flight Rules

<table>
<thead>
<tr>
<th>GENERAL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>91.101</td>
<td>Applicability.</td>
</tr>
<tr>
<td>91.103</td>
<td>Preflight action.</td>
</tr>
<tr>
<td>91.105</td>
<td>Flight crewmembers at stations.</td>
</tr>
<tr>
<td>91.107</td>
<td>Use of safety belts, shoulder harnesses, and child restraint systems.</td>
</tr>
<tr>
<td>91.109</td>
<td>Flight instruction; Simulated instrument flight and certain flight tests.</td>
</tr>
<tr>
<td>91.111</td>
<td>Operating near other aircraft.</td>
</tr>
<tr>
<td>91.113</td>
<td>Right-of-way rules: Except water operations.</td>
</tr>
<tr>
<td>91.115</td>
<td>Right-of-way rules: Water operations.</td>
</tr>
<tr>
<td>91.117</td>
<td>Aircraft speed.</td>
</tr>
<tr>
<td>91.119</td>
<td>Minimum safe altitudes: General.</td>
</tr>
<tr>
<td>91.121</td>
<td>Altimeter settings.</td>
</tr>
<tr>
<td>91.123</td>
<td>Compliance with ATC clearances and instructions.</td>
</tr>
<tr>
<td>91.125</td>
<td>ATC light signals.</td>
</tr>
<tr>
<td>91.126</td>
<td>Operating on or in the vicinity of an airport in Class G airspace.</td>
</tr>
<tr>
<td>91.127</td>
<td>Operating on or in the vicinity of an airport in Class E airspace.</td>
</tr>
<tr>
<td>91.129</td>
<td>Operations in Class D airspace.</td>
</tr>
<tr>
<td>91.130</td>
<td>Operations in Class C airspace.</td>
</tr>
<tr>
<td>91.131</td>
<td>Operations in Class B airspace.</td>
</tr>
<tr>
<td>91.133</td>
<td>Restricted and prohibited areas.</td>
</tr>
<tr>
<td>91.135</td>
<td>Operations in Class A airspace.</td>
</tr>
<tr>
<td>91.137</td>
<td>Temporary flight restrictions in the vicinity of disaster/hazard areas.</td>
</tr>
<tr>
<td>91.138</td>
<td>Temporary flight restrictions in national disaster areas in the State of Hawaii.</td>
</tr>
<tr>
<td>91.139</td>
<td>Emergency air traffic rules.</td>
</tr>
<tr>
<td>91.141</td>
<td>Flight restrictions in the proximity of the Presidential and other parties.</td>
</tr>
<tr>
<td>91.143</td>
<td>Flight limitation in the proximity of space flight operations.</td>
</tr>
<tr>
<td>91.144</td>
<td>Temporary restriction on flight operations during abnormally high barometric pressure conditions.</td>
</tr>
<tr>
<td>91.145</td>
<td>Management of aircraft operations in the vicinity of aerial demonstrations and major sporting events.</td>
</tr>
<tr>
<td>91.146</td>
<td>Passenger-carrying flights for the benefit of a charitable, nonprofit, or community event.</td>
</tr>
<tr>
<td>91.147</td>
<td>Passenger carrying flights for compensation or hire.</td>
</tr>
<tr>
<td>91.148–91.149</td>
<td>[Reserved]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Visual Flight Rules</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>91.151</td>
<td>Fuel requirements for flight in VFR conditions.</td>
</tr>
<tr>
<td>91.153</td>
<td>VFR flight plan: Information required.</td>
</tr>
<tr>
<td>91.155</td>
<td>Basic VFR weather minimums.</td>
</tr>
<tr>
<td>91.157</td>
<td>Special VFR weather minimums.</td>
</tr>
<tr>
<td>91.159</td>
<td>VFR cruising altitude or flight level.</td>
</tr>
<tr>
<td>91.161</td>
<td>Special awareness training required for pilots flying under visual flight rules within a 60-nautical mile radius of the Washington, DC VOR/DME.</td>
</tr>
<tr>
<td>91.162–91.165</td>
<td>[Reserved]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Instrument Flight Rules</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>91.167</td>
<td>Fuel requirements for flight in IFR conditions.</td>
</tr>
<tr>
<td>91.169</td>
<td>IFR flight plan: Information required.</td>
</tr>
<tr>
<td>91.171</td>
<td>VOR equipment check for IFR operations.</td>
</tr>
</tbody>
</table>
91.173 ATC clearance and flight plan re-
quired.
91.175 Takeoff and landing under IFR.
91.177 Minimum altitudes for IFR oper-
ations.
91.179 IFR cruising altitude or flight level.
91.180 Operations within airspace des-
ignated as Reduced Vertical Separation
Minimum airspace.
91.181 Course to be flown.
91.183 IFR communications.
91.185 IFR operations: Two-way radio com-
munications failure.
91.187 Operation under IFR in controlled
 airspace: Malfunction reports.
91.189 Category II and III operations: Gen-
eral operating rules.
91.191 Category II and Category III manual.
91.193 Certificate of authorization for cer-
tain Category II operations.
91.195-91.199 [Reserved]

Subpart C—Equipment, Instrument, and
Certificate Requirements

91.201 [Reserved]
91.203 Civil aircraft: Certifications required.
91.205 Powered civil aircraft with standard
category U.S. airworthiness certificates:
Instrument and equipment requirements.
91.207 Emergency locator transmitters.
91.209 Aircraft lights.
91.211 Supplemental oxygen.
91.213 Inoperative instruments and equip-
ment.
91.215 ATC transponder and altitude report-
ing equipment and use.
91.217 Data correspondence between auto-
matically reported pressure altitude data
and the pilot’s altitude reference.
91.219 Altitude alerting system or device:
Turbojet-powered civil airplanes.
91.221 Traffic alert and collision avoidance
system equipment and use.
91.223 Terrain awareness and warning sys-
tem.
91.225 Automatic Dependent Surveillance-
Broadcast (ADS-B) Out equipment and
use.
91.227 Automatic Dependent Surveillance-
Broadcast (ADS-B) Out equipment per-
formance requirements.
91.228-91.299 [Reserved]

Subpart D—Special Flight Operations

91.301 [Reserved]
91.303 Aerobatic flight.
91.305 Flight test areas.
91.307 Parachutes and parachuting.
91.309 Towing: Gliders and unpowered ultra-
light vehicles.
91.311 Towing: Other than under §91.309.
91.313 Restricted category civil aircraft: Op-
erating limitations.
91.315 Limited category civil aircraft: Oper-
ating limitations.
91.317 Provisionally certified civil air-
craft: Operating limitations.
91.319 Aircraft having experimental certifi-
cates: Operating limitations.
91.321 Carriage of candidates in elections.
91.323 Increased maximum certified
weights for certain airplanes operated in
Alaska.
91.325 Primary category aircraft: Operating
limitations.
91.326 [Reserved]
91.327 Aircraft having a special airworthi-
ness certificate in the light-sport cat-
egory: Operating limitations.
91.328-91.399 [Reserved]

Subpart E—Maintenance, Preventive
Maintenance, and Alterations

91.401 Applicability.
91.403 General.
91.405 Maintenance required.
91.407 Operation after maintenance, preven-
tive maintenance, rebuilding, or alter-
ation.
91.409 Inspections.
91.410 [Reserved]
91.411 Altimeter system and altitude report-
ing equipment tests and inspections.
91.413 ATC transponder tests and inspec-
tions.
91.415 Changes to aircraft inspection pro-
grams.
91.417 Maintenance records.
91.419 Transfer of maintenance records.
91.421 Rebuilt engine maintenance records.
91.425-91.499 [Reserved]

Subpart F—Large and Turbine-Powered
Multiengine Airplanes and Fractional
Ownership Program Aircraft

91.501 Applicability.
91.503 Flying equipment and operating in-
formation.
91.505 Familiarity with operating limita-
tions and emergency equipment.
91.507 Equipment requirements: Over-the-
top or night VFR operations.
91.509 Survival equipment for overwater op-
erations.
91.511 Communication and navigation
equipment for overwater operations.
91.513 Emergency equipment.
91.515 Flight altitude rules.
91.517 Passenger information.
91.519 Passenger briefing.
91.521 Shoulder harness.
91.523 Carry-on baggage.
91.525 Carriage of cargo.
91.527 Operating in icing conditions.
91.529 Flight engineer requirements.
91.531 Second in command requirements.
91.533 Flight attendant requirements.
91.535 Stowage of food, beverage, and pas-
senger service equipment during aircraft
Federal Aviation Administration, DOT

movement on the surface, takeoff, and landing.
91.537–91.599 [Reserved]

Subpart G—Additional Equipment and Operating Requirements for Large and Transport Category Aircraft
91.601 Applicability.
91.603 Aural speed warning device.
91.605 Transport category civil airplane weight limitations.
91.607 Emergency exits for airplanes carrying passengers for hire.
91.609 Flight data recorders and cockpit voice recorders.
91.611 Authorization for ferry flight with one engine inoperative.
91.613 Materials for compartment interiors.
91.615–91.699 [Reserved]

Subpart H—Foreign Aircraft Operations and Operations of U.S.-Registered Civil Aircraft Outside of the United States; and Rules Governing Persons on Board Such Aircraft
91.701 Applicability.
91.702 Persons on board.
91.703 Operations of civil aircraft of U.S. registry outside of the United States.
91.707 Flights between Mexico or Canada and the United States.
91.709 Operations to Cuba.
91.711 Special rules for foreign civil aircraft.
91.713 Operation of civil aircraft of Cuban registry.
91.715 Special flight authorizations for foreign civil aircraft.
91.717–91.799 [Reserved]

Subpart I—Operating Noise Limits
91.801 Applicability: Relation to part 36.
91.803 Part 125 operators: Designation of applicable regulations.
91.805 Final compliance: Subsonic airplanes.
91.807–91.813 [Reserved]
91.815 Agricultural and fire fighting airplanes: Noise operating limitations.
91.817 Civil aircraft sonic boom.
91.819 Civil supersonic airplanes that do not comply with part 36.
91.821 Civil supersonic airplanes: Noise limits.
91.823–91.849 [Reserved]
91.851 Definitions.
91.853 Final compliance: Civil subsonic airplanes.
91.855 Entry and nonaddition rule.
91.857 Stage 2 operations outside of the 48 contiguous United States.
91.858 Special flight authorizations for non-revenue Stage 2 operations.
91.859 Modification to meet Stage 3 or Stage 4 noise levels.
91.861 Base level.
91.863 Transfers of Stage 2 airplanes with base level.
91.865 Phased compliance for operators with base level.
91.867 Phased compliance for new entrants.
91.869 Carry-forward compliance.
91.871 Waivers from interim compliance requirements.
91.873 Waivers from final compliance.
91.875 Annual progress reports.
91.877 Annual reporting of Hawaiian operations.
91.879–91.899 [Reserved]

Subpart J—Waivers
91.901 [Reserved]
91.903 Policy and procedures.
91.905 List of rules subject to waivers.
91.907–91.999 [Reserved]

Subpart K—Fractional Ownership Operations
91.1001 Applicability.
91.1002 Compliance date.
91.1003 Management contract between owner and program manager.
91.1005 Prohibitions and limitations.
91.1007 Flights conducted under part 121 or part 135 of this chapter.
91.1009 Clarification of operational control.
91.1011 Operational control responsibilities and delegation.
91.1013 Operational control briefing and acknowledgment.
91.1014 Issuing or denying management specifications.
91.1015 Management specifications.
91.1017 Amending program manager’s management specifications.
91.1019 Conducting tests and inspections.
91.1021 Internal safety reporting and incident/accident response.
91.1023 Program operating manual requirements.
91.1025 Program operating manual contents.
91.1027 Recordkeeping.
91.1029 Flight scheduling and locating requirements.
91.1031 Pilot in command or second in command: Designation required.
91.1033 Operating information required.
91.1035 Passenger awareness.
91.1037 Large transport category airplanes: Turbine engine powered; Limitations; Destination and alternate airports.
91.1039 IFR takeoff, approach and landing minimums.
91.1041 Aircraft proving and validation tests.
91.1043 [Reserved]
91.1045 Additional equipment requirements.
91.1047 Drug and alcohol misuse education program.
91.1049 Personnel.
91.1050 Employment of former FAA employees.
91.1051 Pilot safety background check.
91.1053 Crewmember experience.
91.1055 Pilot operating limitations and pairing requirement.
91.1057 Flight, duty and rest time requirements; All crewmembers.
91.1059 Flight time limitations and rest requirements: One or two pilot crews.
91.1061 Augmented flight crews.
91.1062 Duty periods and rest requirements: Flight attendants.
91.1063 Testing and training: Applicability and terms used.
91.1065 Initial and recurrent pilot testing requirements.
91.1067 Initial and recurrent flight attendant crewmember testing requirements.
91.1069 Flight crew: Instrument proficiency check requirements.
91.1071 Crewmember: Tests and checks, grace provisions, training to accepted standards.
91.1073 Training program: General.
91.1075 Training program: Special rules.
91.1077 Training program and revision: Initial and final approval.
91.1079 Training program: Curriculum.
91.1081 Crewmember training requirements.
91.1083 Crewmember emergency training.
91.1085 Hazardous materials recognition training.
91.1087 Approval of aircraft simulators and other training device.
91.1089 Qualifications: Check pilots (aircraft) and check pilots (simulator).
91.1091 Qualifications: Flight instructors (aircraft) and flight instructors (simulator).
91.1093 Initial and transition training and checking: Check pilots (aircraft), check pilots (simulator).
91.1095 Initial and transition training and checking: Flight instructors (aircraft), flight instructors (simulator).
91.1097 Pilot and flight attendant crewmember training programs.
91.1099 Crewmember initial and recurrent training requirements.
91.1101 Pilots: Initial, transition, and upgrade ground training.
91.1103 Pilots: Initial, transition, upgrade, requalification, and differences flight training.
91.1105 Flight attendants: Initial and transition ground training.
91.1107 Recurrent training.
91.1109 Aircraft maintenance: Inspection program.
91.1111 Maintenance training.
91.1113 Maintenance recordkeeping.
91.1115 Inoperable instruments and equipment.
91.1411 Continuous airworthiness maintenance program use by fractional ownership program manager.
91.1413 CAMP: Responsibility for airworthiness.
91.1415 CAMP: Responsibility for airworthiness.
91.1417 CAMP: Mechanical reliability reports.
91.1423 CAMP: Responsibility for airworthiness.
91.1425 CAMP: Responsibility for airworthiness.
91.1427 CAMP: Responsibility for airworthiness.
91.1429 CAMP: Responsibility for airworthiness.
91.1431 CAMP: Responsibility for airworthiness.
91.1433 CAMP: Responsibility for airworthiness.
91.1435 CAMP: Responsibility for airworthiness.
91.1437 CAMP: Responsibility for airworthiness.
91.1439 CAMP: Responsibility for airworthiness.
91.1441 CAMP: Responsibility for airworthiness.
91.1443 CAMP: Responsibility for airworthiness.

Subpart L—Continued Airworthiness and Safety Improvements

91.1501 Purpose and definition.
91.1503 [Reserved]
91.1505 Repairs assessment for pressurized fuselages.
91.1507 Fuel tank system inspection program.

Subpart M—Special Federal Aviation Regulations

91.1603 Special Federal Aviation Regulation No. 112—Prohibition Against Certain Flights Within the Tripoli (HLLL) Flight Information Region (FIR).
APPENDIX A TO PART 91—CATEGORY II OPERATIONS: MANUAL, INSTRUMENTS, EQUIPMENT, AND MAINTENANCE
APPENDIX B TO PART 91—AUTHORIZATIONS TO EXCEED MACH 1 (§ 91.817)
APPENDIX C TO PART 91—OPERATIONS IN THE NORTH ATLANTIC (NAT) MINIMUM NAVIGATION PERFORMANCE SPECIFICATIONS (MNPS) AIRSPACE
APPENDIX D TO PART 91—AIRPORTS/LOCATIONS: SPECIAL OPERATING RESTRICTIONS
APPENDIX E TO PART 91—AIRPLANE FLIGHT RECORDER SPECIFICATIONS
APPENDIX F TO PART 91—HELICOPTER FLIGHT RECORDER SPECIFICATIONS
APPENDIX G TO PART 91—OPERATIONS IN REDUCED VERTICAL SEPARATION MINIMUM (RVSM) AIRSPACE
Federal Aviation Administration, DOT

SAFETY OF PERSONS IN THE VICINITY OF THE GRAND CANYON NATIONAL PARK, AZ

Section 1. Applicability. This rule prescribes special operating rules for all persons operating aircraft in the following airspace, designated as the Grand Canyon National Park Special Flight Rules Area:

That airspace extending upward from the surface up to but not including 14,500 feet MSL within an area bounded by a line beginning at lat. 36°09'30" N., long. 113°09'00" W.; thence northeast along the boundary of the Grand Canyon National Park to lat. 36°24'47" N., long. 112°52'00" W.; to lat. 36°30'30" N., long. 112°26'15" W.; to lat. 36°21'30" N., long. 112°00'00" W.; to lat. 36°35'30" N., long. 111°53'10" W.; to lat. 36°53'00" N., long. 111°36'45" W. to lat. 38°00'00" N., long. 111°33'57" W.; to lat. 38°15'00" N., long. 111°50'50" W.; to lat. 36°17'90" N., long. 111°42'00" W.; to lat. 35°59'30" N., long. 111°42'00" W.; to lat. 35°57'30" N., long. 112°03'55" W.; thence counterclockwise via the 5 statute mile radius of the Grand Canyon Airport reference point (lat. 35°37'09" N., long. 112°08'47" W.) to lat. 35°57'30" N., long. 112°14'00" W.; to lat. 35°57'30" N., long. 111°11'00" W.; to lat. 35°42'30" N., long. 111°11'00" W.; to lat. 35°38'30" N., long. 113°27'30" W.; thence counterclockwise via the 5 statute mile radius of the Peach Springs VORTAC to lat. 35°41'20" N., long. 113°36'00" W.; to lat. 35°55'25" N., long. 113°49'10" W.; to lat. 35°57'45" N., 113°45'20" W.; thence north-west along the park boundary to lat. 36°02'20" N., long. 113°50'15" W.; to 36°00'10" N., long. 113°53'45" W.; thence to the point of beginning.

Section 2. Aircraft operations. Except in an emergency, no person may operate an aircraft in the Special Flight Rules Area under VFR on or after September 22, 1988, or under IFR on or after April 6, 1989, unless the operation—(a) Is conducted in accordance with the following procedures:

(i) Must not be conducted in the manner described in Section 4; and (ii) Must not be conducted in an emergency; and (iii) Must not be conducted in an emergency.

Section 3. Aircraft operations. General. Except in an emergency, no person may operate an aircraft in the Special Flight Rules Area under VFR on or after September 22, 1988, or under IFR on or after April 6, 1989, unless the operation—(a) Is conducted in accordance with the following procedures:

(b) Is conducted in accordance with the provisions of SFAR 50-1, notwithstanding the provisions of Sections 4 and 5; and (c) Is conducted in accordance with the authorization to operate in that airspace incorporated in the operator’s part 135 operations specifications in accordance with the provisions of SFAR 50-1, notwithstanding the provisions of Sections 4 and 5; and (d) Is authorized by the Flight Standards District Office and is conducted in accordance with the authorization to operate in that airspace incorporated in the operator’s part 135 operations specifications in accordance with the provisions of SFAR 50-1, notwithstanding the provisions of Sections 4 and 5; and (e) Is conducted within 3 nautical miles of Whitmore Airstrip, Pearce Ferry Airstrip, North Rim Airstrip, Clift Dwellers Airstrip, or Marble Canyon Airstrip at an altitudes less than 3,000 feet above airport elevation, for the purpose of landing at or taking off from that facility. Or (f) Is conducted under an IFR clearance and the pilot is acting in accordance with ATC instructions. An IFR flight plan may not be filed on a route or at an altitude that would require operation in an area described in Section 4.