

ASA's 2024 FAR-AMT Update

Changes to the Federal Aviation Regulations occur via the *Federal Register*, which is published daily. The *Aeronautical Information Manual* is updated every 180 days, and Advisory Circulars are revised as the FAA deems necessary. ASA tracks all relevant changes to keep you current and informed: the ASA FAR/AIM Series is published annually, and all Updates are available at asa2fly.com/farupdate and through a free email subscription service that notifies you of changes affecting the information printed in your books.

ASA's 2024 *FAR for Aviation Maintenance Technicians* book is current through July 6, 2023. With this Update, information is current through **October 26, 2023**.



TITLE 14: AERONAUTICS AND SPACE

PART 43

MAINTENANCE, PREVENTIVE MAINTENANCE, REBUILDING, AND ALTERATION

- **Change Date:** October 17, 2023
- **Effective Date:** December 18, 2023
- **Source:** Amdt. 43–53, 88 FR 71476

Amend Appendix F to Part 43 by revising paragraphs (h) and (j) to read as follows:

APPENDIX F TO PART 43

ATC TRANSPONDER TESTS AND INSPECTIONS

(h) Mode S All-Call Interrogations: Interrogate the Mode S transponder with the Mode S-only all-call format UF = 11 and verify that the correct address and capability are reported in the replies (downlink format DF = 11).

(j) Squitter: Verify that the Mode S transponder generates a correct acquisition squitter approximately once per second.

PART 91

GENERAL OPERATING AND FLIGHT RULES

- **Change Date:** July 26, 2023
- **Effective Date:** July 26, 2023
- **Source:** Amdt. 91–370, 88 FR 48087

Amend §91.146 by revising paragraphs (b) introductory text and (b)(2), (3), (5), and (7) to read as follows:

§91.146 Passenger-carrying flights for the benefit of a charitable, nonprofit, or community event.

(b) Passenger-carrying flights in airplanes, powered-lift, or rotorcraft for the benefit of a charitable, nonprofit, or community event identified in paragraph (c) of this section are not subject to the certification requirements of part 119 of this chapter or the drug and

alcohol testing requirements in part 120 of this chapter, provided the following conditions are satisfied and the limitations in paragraphs (c) and (d) of this section are not exceeded:

(2) The flight is conducted from a public airport that is adequate for the aircraft used, or from another location the FAA approves for the operation;

(3) The aircraft has a maximum of 30 seats, excluding each crewmember seat, and a maximum payload capacity of 7,500 pounds;

(5) Each aircraft holds a standard airworthiness certificate, is airworthy, and is operated in compliance with the applicable requirements of subpart E of this part;

(7) Reimbursement of the operator of the aircraft is limited to that portion of the passenger payment for the flight that does not exceed the pro rata cost of owning, operating, and maintaining the aircraft for that flight, which may include fuel, oil, airport expenditures, and rental fees;

Amend §91.147 by revising paragraph (a) to read as follows:

§91.147 Passenger-carrying flights for compensation or hire.

(a) For the purposes of this section and for drug and alcohol testing, *Operator* means any person conducting nonstop passenger-carrying flights in an airplane, powered-lift, or rotorcraft for compensation or hire in accordance with §119.1(e)(2), §135.1(a)(5), or §121.1(d) of this chapter that begin and end at the same airport and are conducted within a 25-statute mile radius of that airport.

- **Change Date:** October 17, 2023
- **Effective Date:** December 18, 2023
- **Source:** Amdt. 91–371, 88 FR 71476

Amend §91.215 by revising the introductory text of paragraph (b) to read as follows:

§91.215 ATC transponder and altitude reporting equipment and use.

(b) All airspace. Unless otherwise authorized or directed by ATC, and except as provided in paragraph (e)(1) of this section, no person may operate an aircraft in the airspace described in paragraphs (b)(1) through (5) of this section, unless that aircraft is equipped with an operable coded radar beacon transponder having either Mode A 4096 code capability, replying to Mode A interrogations with the code specified by ATC, or a Mode S capability, replying to Mode A interrogations with the code specified by ATC and Mode S interrogations in accordance with the applicable provisions specified in TSO-C112, and that aircraft is equipped with automatic pressure altitude reporting equipment having a Mode C capability that automatically replies to Mode C interrogations by transmitting pressure altitude information in 100-foot increments. The requirements of this paragraph (b) apply to—

Amend §91.225 by:

- a. Revising paragraphs (a)(1), (b), and (e) introductory text.
- b. Redesignating paragraphs (h) and (i), as (i) and (h), respectively.
- c. Revising newly redesignated paragraphs (h)(1)(i) and (i).

The revisions read as follows:

§91.225 Automatic Dependent Surveillance–Broadcast (ADS-B) Out equipment and use.

(a) ***

- (1) Meets the performance requirements in—
 - (i) TSO-C166b and Section 2 of RTCA DO-260B (as referenced in TSO-C166b); or
 - (ii) TSO-C166c and Section 2 of RTCA DO-260C as modified by DO-260C—Change 1 (as referenced in TSO-C166c); and

(b) After January 1, 2020, except as prohibited in paragraph (h) (2) of this section or unless otherwise authorized by ATC, no person may operate an aircraft below 18,000 feet MSL and in airspace described in paragraph (d) of this section unless the aircraft has equipment installed that—

- (1) Meets the performance requirements in—
 - (i) TSO-C166b and Section 2 of RTCA DO-260B (as referenced in TSO-C166b);
 - (ii) TSO-C166c and Section 2 of RTCA DO-260C as modified by DO-260C—Change 1 (as referenced in TSO-C166c);
 - (iii) TSO-C154c and Section 2 of RTCA DO-282B (as referenced in TSO-C154c); or
 - (iv) TSO-C154d and Section 2 of RTCA DO-282C (as referenced in TSO-C154d);

(2) Meets the requirements of §91.227.

(e) The requirements of paragraph (b) of this section do not apply to any aircraft that was not originally certificated with an engine-driven electrical system, or that has not subsequently been certified with such a system installed, including balloons and gliders. These aircraft may conduct operations without ADS-B Out in the airspace specified in paragraph (d)(4) of this section. These

aircraft may also conduct operations in the airspace specified in paragraph (d)(2) of this section if those operations are conducted—

(h) ***

(1) ***

(i) That aircraft has equipment installed that meets the performance requirements in TSO-C166b (including Section 2 of RTCA DO-260B, as referenced in TSO-C166b), TSO-C166c (including Section 2 of RTCA DO-260C as modified by DO-260C—Change 1, as referenced in TSO-C166c), TSO-C154c (including Section 2 of RTCA DO-282B, as referenced in TSO-C154c), or TSO-C154d (including Section 2 of RTCA DO-282C, as referenced in TSO-C154d); and

(i) The standards required in this section are incorporated by reference with the approval of the Director of the Office of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. This incorporation by reference (IBR) material is available for inspection at the FAA and the National Archives and Records Administration (NARA). Contact the FAA at: Office of Rulemaking (ARM-1), 800 Independence Avenue SW, Washington, DC 20590 (telephone 202-267-9677). For information on the availability of this material at NARA, visit <https://www.archives.gov/federal-register/cfr/ibr-locations.html> or email fr.inspection@nara.gov. This material is also available from the following sources in this paragraph (i).

(1) U.S. Department of Transportation, Subsequent Distribution Office, DOT Warehouse M30, Ardmore East Business Center, 3341 Q 75th Avenue, Landover, MD 20785; telephone (301) 322-5377; website: www.faa.gov/aircraft/air_cert/design_approvals/tso/ (select the link “Search Technical Standard Orders”).

(i) TSO-C166b, Extended Squitter Automatic Dependent Surveillance–Broadcast (ADS-B) and Traffic Information Service–Broadcast (TIS-B) Equipment Operating on the Radio Frequency of 1090 Megahertz (MHz), December 2, 2009.

(ii) TSO-C166c, Extended Squitter Automatic Dependent Surveillance–Broadcast (ADS-B) and Traffic Information Service–Broadcast (TIS-B) Equipment Operating on the Radio Frequency of 1090 Megahertz (MHz), March 10, 2023.

(iii) TSO-C154c, Universal Access Transceiver (UAT) Automatic Dependent Surveillance–Broadcast (ADS-B) Equipment Operating on the Frequency of 978 MHz, December 2, 2009.

(iv) TSO-C154d, Universal Access Transceiver (UAT) Automatic Dependent Surveillance–Broadcast (ADS-B) Equipment Operating on the Radio Frequency of 978 Megahertz (MHz), March 10, 2023.

(2) RTCA, Inc., 1150 18th St. NW, Suite 910, Washington, DC 20036; telephone (202) 833-9339; website: www.rtca.org/products.

(i) RTCA DO-260B, Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance–Broadcast (ADS-B) and Traffic Information Services–Broadcast (TIS-B), Section 2, Equipment Performance Requirements and Test Procedures, December 2, 2009.

(ii) RTCA DO-260C, Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance–Broadcast (ADS-B) and Traffic Information Services–Broadcast (TIS-B), Section 2, Equipment Performance Requirements and Test Procedures, December 17, 2020.

(iii) RTCA DO-260C, Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance–Broadcast (ADS-B) and Traffic Information Services–Broadcast (TIS-B), Change 1, January 25, 2022.

(iv) RTCA DO-282B, Minimum Operational Performance Standards for Universal Access Transceiver (UAT) Automatic Dependent

dent Surveillance—Broadcast (ADS-B), Section 2, Equipment Performance Requirements and Test Procedures, December 2, 2009.

(v) RTCA DO-282C, Minimum Operational Performance Standards (MOPS) for Universal Access Transceiver (UAT) Automatic Dependent Surveillance—Broadcast (ADS-B), Section 2, Equipment Performance Requirements and Test Procedures, June 23, 2022.

Amend §91.227 by:

- a. In paragraph (a), revising definitions for “Navigation Accuracy Category for Position (NAC_P)”, “Navigation Accuracy Category for Velocity (NAC_V)”, “Navigation Integrity Category (NIC)”, “Source Integrity Level (SIL)”, and “System Design Assurance (SDA)”; and
- b. Revising paragraphs (b)(1), (b)(2)(i) and (ii), (c)(1)(iv) and (v), (d) introductory text, (d)(5) through (8), (11), and (13), and (g).

The revisions read as follows:

§91.227 Automatic Dependent Surveillance—Broadcast (ADS-B) Out equipment performance requirements.

(a) * * *

Navigation Accuracy Category for Position (NAC_P) specifies the accuracy of a reported aircraft’s position.

Navigation Accuracy Category for Velocity (NAC_V) specifies the accuracy of a reported aircraft’s velocity.

Navigation Integrity Category (NIC) specifies an integrity containment radius around an aircraft’s reported position.

* * * * *

Source Integrity Level (SIL) indicates the probability of the reported horizontal position exceeding the containment radius defined by the NIC on a per sample or per hour basis.

System Design Assurance (SDA) indicates the probability of an aircraft malfunction causing false or misleading information to be transmitted.

* * * * *

(b) * * *

(1) Aircraft operating in Class A airspace must have equipment installed that meets the antenna and power output requirements of Class A1S, A1, A2, A3, B1S, or B1 equipment as defined in TSO-C166b and Section 2 of RTCA DO-260B (as referenced in TSO-C166b), or TSO-C166c and Section 2 of RTCA DO-260C as modified by DO-260C—Change 1 (as referenced in TSO-C166c).

(2) * * *

(i) Class A1S, A1, A2, A3, B1S, or B1 as defined in TSO-C166b and Section 2 of RTCA DO-260B (as referenced in TSO-C166b) or TSO-C166c and Section 2 of RTCA DO-260C as modified by DO-260C—Change 1 (as referenced in TSO-C166c); or

(ii) Class A1S, A1H, A2, A3, B1S, or B1 equipment as defined in TSO-C154c and Section 2 of RTCA DO-282B (as referenced in TSO-C154c), or TSO-C154d and Section 2 of RTCA DO-282C (as referenced in TSO-C154d).

(c) * * *

(1) * * *

(iv) The aircraft’s SDA must be less than or equal to 10^{-5} per flight hour; and

(v) The aircraft’s SIL must be less than or equal to 10^{-7} per flight hour or per sample.

* * * * *

(d) Minimum Broadcast Message Element Set for ADS-B Out. Each aircraft must broadcast the following information, as defined in TSO-C166b (including Section 2 of RTCA DO-260B, as referenced in TSO-C166b), TSO-C166c (including Section 2 of RTCA DO-260C as modified by DO-260C—Change 1, as refer-

enced in TSO-C166c), TSO-C154c (including Section 2 of RTCA DO-282B, as referenced in TSO-C154c), or TSO-C154d (including Section 2 of RTCA DO-282C, as referenced in TSO-C154d). The pilot must enter information for message elements listed in paragraphs (d)(7) through (10) of this section during the appropriate phase of flight.

* * * * *

(5) An indication if a collision avoidance system is installed and operating in a mode that can generate resolution advisory alerts;

(6) If an operable collision avoidance system is installed, an indication if a resolution advisory is in effect;

(7) An indication of the Mode A transponder code specified by ATC;

(8) An indication of the aircraft identification that is submitted on the flight plan or used for communicating with ATC, except when the pilot has not filed a flight plan, has not requested ATC services, and is using a TSO-C154c or TSO-C154d self-assigned temporary 24-bit address;

* * * * *

(11) An indication of the aircraft assigned ICAO 24-bit address, except when the pilot has not filed a flight plan, has not requested ATC services, and is using a TSO-C154c or TSO-C154d self-assigned temporary 24-bit address;

* * * * *

(13) An indication of whether an ADS-B In capability is available;

* * * * *

(g) Incorporation by reference. The standards required in this section are incorporated by reference with the approval of the Director of the Office of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. This incorporation by reference (IBR) material is available for inspection at the FAA and the National Archives and Records Administration (NARA). Contact the FAA at: Office of Rulemaking (ARM-1), 800 Independence Avenue SW, Washington, DC 20590 (telephone 202-267-9677). For information on the availability of this material at NARA, visit www.archives.gov/federal-register/cfr/ibr-locations.html or email fr.inspection@nara.gov. This material is also available from the following sources indicated in this paragraph (g).

(1) U.S. Department of Transportation, Subsequent Distribution Office, DOT Warehouse M30, Ardmore East Business Center, 3341 Q 75th Avenue, Landover, MD 20785; telephone (301) 322-5377; website: www.faa.gov/aircraft/air_cert/design_approvals/tso/ (select the link “Search Technical Standard Orders”).

(i) TSO-C166b, Extended Squitter Automatic Dependent Surveillance—Broadcast (ADS-B) and Traffic Information Service—Broadcast (TIS-B) Equipment Operating on the Radio Frequency of 1090 Megahertz (MHz), December 2, 2009.

(ii) TSO-C166c, Extended Squitter Automatic Dependent Surveillance—Broadcast (ADS-B) and Traffic Information Service—Broadcast (TIS-B) Equipment Operating on the Radio Frequency of 1090 Megahertz (MHz), March 10, 2023.

(iii) TSO-C154c, Universal Access Transceiver (UAT) Automatic Dependent Surveillance—Broadcast (ADS-B) Equipment Operating on the Frequency of 978 MHz, December 2, 2009.

(iv) TSO-C154d, Universal Access Transceiver (UAT) Automatic Dependent Surveillance—Broadcast (ADS-B) Equipment Operating on the Radio Frequency of 978 Megahertz (MHz), March 10, 2023.

(2) RTCA, Inc., 1150 18th St. NW, Suite 910, Washington, DC 20036; telephone (202) 833-9339; website: www.rtca.org/products.

(i) RTCA DO-260B, Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance—Broadcast (ADS-B) and Traffic Information Ser-

VICES—Broadcast (TIS-B), Section 2, Equipment Performance Requirements and Test Procedures, December 2, 2009.

(ii) RTCA DO-260C, Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance—Broadcast (ADS-B) and Traffic Information Services—Broadcast (TIS-B), Section 2, Equipment Performance Requirements and Test Procedures, December 17, 2020.

(iii) RTCA DO-260C, Minimum Operational Performance Standards for 1090 MHz Extended Squitter Automatic Dependent Surveillance—Broadcast (ADS-B) and Traffic Information Services—Broadcast (TIS-B), Change 1, January 25, 2022.

(iv) RTCA DO-282B, Minimum Operational Performance Standards for Universal Access Transceiver (UAT) Automatic Dependent Surveillance—Broadcast (ADS-B), Section 2, Equipment Performance Requirements and Test Procedures, December 2, 2009.

(v) RTCA DO-282C, Minimum Operational Performance Standards (MOPS) for Universal Access Transceiver (UAT) Automatic Dependent Surveillance—Broadcast (ADS-B), Section 2, Equipment Performance Requirements and Test Procedures, June 23, 2022.

- **Change Date:** July 26, 2023
- **Effective Date:** July 26, 2023
- **Source:** Amdt. 91–370, 88 FR 48087

Amend §91.1015 by revising paragraph (a)(9) to read as follows:

§91.1015 Management specifications.

(a) * * *
(9) Any authorized deviation and exemption that applies to the person conducting operations under this subpart; and
* * * * *

- **Change Date:** October 26, 2023
- **Effective Date:** October 27, 2023
- **Source:** Amdt. 91–331H, 88 FR 73532

Remove and reserve §91.1607.

§91.1607 [Reserved]

- **Change Date:** September 22, 2023
- **Effective Date:** September 22, 2023
- **Source:** Amdt. 91–340D, 88 FR 65320

Amend §91.1611 by revising paragraphs (b) and (c) to read as follows:

§91.1611 Special Federal Aviation Regulation No. 115— Prohibition Against Certain Flights in Specified Areas of the Sanaa Flight Information Region (FIR) (OYSC).

* * * * *
(b) **Flight prohibition.** Except as provided in paragraphs (c) and (d) of this section, no person described in paragraph (a) of this section may conduct flight operations in the portion of the Sanaa Flight Information Region (FIR) (OYSC) that is west of a line drawn direct from KAPET (163322N 0530614E) to NODMA (152603N 0533359E), northwest of a line drawn direct from NODMA to IMPAG (140638N 0503924E) then from IMPAG to TIMAD (115500N 0463500E), north of a line drawn direct from TIMAD to PARIM (123200N 0432720E), and east of a line drawn direct from PARIM to RIBOK (154700N 0415230E). Use of jet route UN303 is not authorized.

(c) **Permitted operations.** This section does not prohibit persons described in paragraph (a) of this section from conducting flight operations in the Sanaa FIR (OYSC) under the following circumstances:

(1) *Permitted operations that do not require an approval or exemption from the FAA.* Flight operations may be conducted in the Sanaa FIR (OYSC) in that airspace east of a line drawn direct from KAPET (163322N 0530614E) to NODMA (152603N 0533359E), southeast of a line drawn direct from NODMA to IMPAG (140638N 0503924E) then from IMPAG to TIMAD (115500N 0463500E), south of a line drawn direct from TIMAD to PARIM (123200N 0432720E), and west of a line drawn direct from PARIM to RIBOK (154700N 0415230E). Use of jet routes UT702 and M999 are authorized. All flight operations conducted under this subparagraph must be conducted subject to the approval of, and in accordance with the conditions established by, the appropriate authorities of Yemen.

(2) *Operations permitted under an approval or exemption issued by the FAA.* Flight operations may be conducted in the Sanaa FIR (OYSC) in that airspace west of a line drawn direct from KAPET (163322N 0530614E) to NODMA (152603N 0533359E), northwest of a line drawn direct from NODMA to IMPAG (140638N 0503924E) then from IMPAG to TIMAD (115500N 0463500E), north of a line drawn direct from TIMAD to PARIM (123200N 0432720E), and east of a line drawn direct from PARIM to RIBOK (154700N 0415230E) if such flight operations are conducted under a contract, grant, or cooperative agreement with a department, agency, or instrumentality of the U.S. Government (or under a subcontract between the prime contractor of the U.S. Government department, agency, or instrumentality and the person subject to paragraph (a)), with the approval of the FAA, or under an exemption issued by the FAA. The FAA will consider requests for approval or exemption in a timely manner, with the order of preference being: First, for those operations in support of U.S. Government-sponsored activities; second, for those operations in support of government-sponsored activities of a foreign country with the support of a U.S. government department, agency, or instrumentality; and third, for all other operations.
* * * * *

Issued in Washington, DC, under the authority of 49 U.S.C. 106(f) and (g), 40101(d)(1), 40105(b)(1)(A), and 44701(a)(5), on September 15, 2023.

- **Change Date:** September 15, 2023
- **Effective Date:** September 15, 2023
- **Source:** Amdt. 91–352B, 88 FR 63525

Amend §91.1615 by revising paragraph (e) to read as follows:

§91.1615 Special Federal Aviation Regulation No. 79— Prohibition Against Certain Flights in the Pyongyang Flight Information Region (FIR) (ZKKP).

* * * * *
(e) **Expiration.** This SFAR will remain in effect until September 18, 2028. The FAA may amend, rescind, or extend this SFAR, as necessary.

Issued in Washington, DC, under the authority of 49 U.S.C. 106(f) and (g), 40101(d)(1), 40105(b)(1)(A), and 44701(a)(5).

- **Change Date:** July 25, 2023
- **Effective Date:** July 25, 2023
- **Source:** Amdt. 91-369, 88 FR 47771

Add §91.1619 to read as follows:

**§91.1619 Special Federal Aviation Regulation No. 119—
Prohibition Against Certain Flights in the Kabul Flight
Information Region (FIR) (OAKX).**

(a) Applicability. This Special Federal Aviation Regulation (SFAR) applies to the following persons:

- (1) All U.S. air carriers and U.S. commercial operators;
- (2) All persons exercising the privileges of an airman certificate issued by the FAA, except when such persons are operating U.S.-registered aircraft for a foreign air carrier; and
- (3) All operators of U.S.-registered civil aircraft, except when the operator of such aircraft is a foreign air carrier.

(b) Flight prohibition. Except as provided in paragraphs (c) and (d) of this section, no person described in paragraph (a) of this section may conduct flight operations in the Kabul Flight Information Region (FIR) (OAKX).

(c) Permitted operations. This section does not prohibit persons described in paragraph (a) of this section from conducting flight operations in the Kabul Flight Information Region (FIR) (OAKX) under the following circumstances:

(1) Overflights of the Kabul Flight Information Region (FIR) (OAKX) may be conducted at altitudes at and above Flight Level (FL) 320, subject to the approval of, and in accordance with the conditions established by, the appropriate authorities of Afghanistan.

(2) Flight operations may be conducted in the Kabul Flight Information Region (FIR) (OAKX) at altitudes below FL320, provided that such flight operations occur under a contract, grant, or cooperative agreement with a department, agency, or instrumentality of the U.S. Government (or under a subcontract between the prime contractor of the U.S. Government department, agency, or instrumentality and the person described in paragraph (a) of this section) with the approval of the FAA or under an exemption issued by the FAA. The FAA will consider requests for approval or exemption in a timely manner, with the order of preference being: first, for those operations in support of U.S. Government-sponsored activities; second, for those operations in support of government-sponsored activities of a foreign country with the support of a U.S. Government department, agency, or instrumentality; and third, for all other operations.

(d) Emergency situations. In an emergency that requires immediate decision and action for the safety of the flight, the pilot in command of an aircraft may deviate from this section to the extent required by that emergency. Except for U.S. air carriers and commercial operators that are subject to the requirements of 14 CFR part 119, 121, 125, or 135, each person who deviates from this section must, within 10 days of the deviation, excluding Saturdays, Sundays, and Federal holidays, submit to the responsible Flight Standards Office a complete report of the operations of the aircraft involved in the deviation, including a description of the deviation and the reasons for it.

(e) Expiration. This SFAR will remain in effect until July 25, 2025. The FAA may amend, rescind, or extend this SFAR as necessary.

PART 110 GENERAL REQUIREMENTS

- **Change Date:** July 26, 2023
- **Effective Date:** July 26, 2023
- **Source:** Amdt. 110–3, 88 FR 48087

The authority citation for Part 110 is revised to read as follows:

Authority: 49 U.S.C. 106(f), 106(g), 40101, 40102, 40103, 40113, 44105, 44106, 44111, 44701–44717, 44722, 44901, 44903, 44904, 44906, 44912, 44914, 44936, 44938, 46103, 46105.

Amend §110.2 by revising the introductory text of the definition of “Commercial air tour” and by revising the definitions of “Commuter operation”, “Domestic operation”, “Flag operation”, “On-demand operation”, and “Supplemental operation” to read as follows:

§110.2 Definitions.

* * * * *

Commercial air tour means a flight conducted for compensation or hire in an airplane, powered-lift, or rotorcraft where a purpose of the flight is sightseeing. The FAA may consider the following factors in determining whether a flight is a commercial air tour:

* * * * *

Commuter operation means any scheduled operation conducted by any person operating one of the following types of aircraft with a frequency of operations of at least five round trips per week on at least one route between two or more points according to the published flight schedules:

- (1) Rotorcraft; or
- (2) Airplanes or powered-lift that:
 - (i) Are not turbojet-powered;
 - (ii) Have a maximum passenger-seat configuration of 9 seats or less, excluding each crewmember seat; and
 - (iii) Have a maximum payload capacity of 7,500 pounds or less.

* * * * *

Domestic operation means any scheduled operation conducted by any person operating any aircraft described in paragraph (1) of this definition at locations described in paragraph (2) of this definition:

- (1) Airplanes or powered-lift that:
 - (i) Are turbojet-powered;
 - (ii) Have a passenger-seat configuration of more than 9 passenger seats, excluding each crewmember seat; or
 - (iii) Have a payload capacity of more than 7,500 pounds.
- (2) Locations:
 - (i) Between any points within the 48 contiguous States of the United States or the District of Columbia; or
 - (ii) Operations solely within the 48 contiguous States of the United States or the District of Columbia; or
 - (iii) Operations entirely within any State, territory, or possession of the United States; or
 - (iv) When specifically authorized by the Administrator, operations between any point within the 48 contiguous States of the United States or the District of Columbia and any specifically authorized point located outside the 48 contiguous States of the United States or the District of Columbia.

* * * * *

Flag operation means any scheduled operation conducted by any person operating any aircraft described in paragraph (1) of this definition at locations described in paragraph (2) of this definition:

- (1) Airplanes or powered-lift that:

- (i) Are turbojet-powered;
 - (ii) Have a passenger-seat configuration of more than 9 passenger seats, excluding each crewmember seat; or
 - (iii) Have a payload capacity of more than 7,500 pounds.
- (2) Locations:
- (i) Between any point within the State of Alaska or the State of Hawaii or any territory or possession of the United States and any point outside the State of Alaska or the State of Hawaii or any territory or possession of the United States, respectively; or
 - (ii) Between any point within the 48 contiguous States of the United States or the District of Columbia and any point outside the 48 contiguous States of the United States and the District of Columbia; or
 - (iii) Between any point outside the U.S. and another point outside the U.S.

* * * * *

On-demand operation means any operation for compensation or hire that is one of the following:

(1) Passenger-carrying operations conducted as a public charter under part 380 of this chapter or any operations in which the departure time, departure location, and arrival location are specifically negotiated with the customer or the customer's representative that are any of the following types of operations:

(i) Common carriage operations conducted with airplanes or powered-lift, including any that are turbojet-powered, having a passenger-seat configuration of 30 seats or fewer, excluding each crewmember seat, and a payload capacity of 7,500 pounds or less. The operations described in this paragraph do not include operations using a specific airplane or powered-lift that is also used in domestic or flag operations and that is so listed in the operations specifications as required by §119.49(a)(4) of this chapter for those operations are considered supplemental operations;

(ii) Noncommon or private carriage operations conducted with airplanes or powered-lift having a passenger-seat configuration of less than 20 seats, excluding each crewmember seat, and a payload capacity of less than 6,000 pounds; or

(iii) Any rotorcraft operation.

(2) Scheduled passenger-carrying operations conducted with one of the following types of aircraft, other than turbojet-powered aircraft, with a frequency of operations of less than five round trips per week on at least one route between two or more points according to the published flight schedules:

(i) Airplanes or powered-lift having a maximum passenger-seat configuration of 9 seats or less, excluding each crewmember seat, and a maximum payload capacity of 7,500 pounds or less; or

(ii) Rotorcraft.

(3) All-cargo operations conducted with airplanes or powered-lift having a payload capacity of 7,500 pounds or less, or with rotorcraft.

* * * * *

Supplemental operation means any common carriage operation for compensation or hire conducted with any aircraft described in paragraph (1) of this definition that is a type of operation described in paragraph (2) of this definition:

(1) Airplanes or powered-lift that:

(i) Have a passenger-seat configuration of more than 30 seats, excluding each crewmember seat.

(ii) Have a payload capacity of more than 7,500 pounds.

(iii) Are propeller-powered and:

(A) Have a passenger-seat configuration of more than 9 seats and less than 31 seats, excluding each crewmember seat; and

(B) Are used in domestic or flag operations but are so listed in the operations specifications as required by §119.49(a)(4) of this chapter for such operations.

(iv) Are turbojet-powered and:

(A) Have a passenger seat configuration of 1 or more but less than 31 seats, excluding each crewmember seat; and

(B) Are used in domestic or flag operations and are so listed in the operations specifications as required by §119.49(a)(4) of this chapter for such operations.

(2) Types of operation:

(i) Operations for which the departure time, departure location, and arrival location are specifically negotiated with the customer or the customer's representative.

(ii) All-cargo operations.

(iii) Passenger-carrying public charter operations conducted under part 380 of this chapter.

* * * * *

PART 119 CERTIFICATION: AIR CARRIERS AND COMMERCIAL OPERATORS

- **Change Date:** July 26, 2023
- **Effective Date:** July 26, 2023
- **Source:** Amdt. 119–20, 88 FR 48088

The authority citation for Part 119 is revised to read as follows:

Authority: 49 U.S.C. 106(f), 106(g), 40101, 40102, 40103, 40113, 44105, 44106, 44111, 44701–44717, 44722, 44901, 44903, 44904, 44906, 44912, 44914, 44936, 44938, 46103, 46105; sec. 215, Pub. L. 111–216, 124 Stat. 2348.

Amend §119.1 by:

- a. Revising paragraph (a)(2);
- b. Adding paragraph (a)(3); and
- c. Revising paragraphs (e) introductory text, (e)(2), (e)(4)(v), (e)(5), (e)(7) introductory text, and (e)(7)(i), (iii), and (vii).

The revisions and addition read as follows:

§119.1 Applicability.

(a) * * *

(2) When common carriage is not involved, in operations of any U.S.-registered civil airplane or powered-lift with a seat configuration of 20 or more passengers, or a maximum payload capacity of 6,000 pounds or more; or

(3) When noncommon carriage is involved, except as provided in §91.501(b) of this chapter, or in private carriage for compensation or hire, in operations of any U.S.-registered civil airplane or powered-lift with a passenger-seat configuration of less than 20 seats and a payload capacity of less than 6,000 pounds.

* * * * *

(e) Except for operations when common carriage is not involved conducted with any airplane or powered-lift having a passenger-seat configuration of 20 seats or more, excluding any required crewmember seat, or a payload capacity of 6,000 pounds or more, this part does not apply to—

* * * * *

(2) Nonstop Commercial Air Tours that occur in an airplane, powered-lift, or rotorcraft having a standard airworthiness certificate and passenger-seat configuration of 30 seats or fewer and a maximum payload capacity of 7,500 pounds or less that begin and end at the same airport, and are conducted within a 25-statute mile

radius of that airport, in compliance with the Letter of Authorization issued under §91.147 of this chapter. For nonstop Commercial Air Tours conducted in accordance with part 136, subpart B, of this chapter, National Parks Air Tour Management, the requirements of this part apply unless excepted in §136.37(g)(2). For Nonstop Commercial Air Tours conducted in the vicinity of the Grand Canyon National Park, Arizona, the requirements of SFAR 50-2, part 93, subpart U, of the chapter and this part, as applicable, apply.

(4) ***

(v) Powered-lift or rotorcraft operations in construction or repair work (but part 119 of this chapter does apply to transportation to and from the site of operations); and

(5) Sightseeing flights conducted in hot air balloons or gliders;

(7) Powered-lift or rotorcraft flights conducted within a 25 statute mile radius of the airport of takeoff if—

(i) Not more than two passengers are carried in the aircraft in addition to the required flightcrew;

(iii) The aircraft used is certificated in the standard category and complies with the 100-hour inspection requirements of part 91 of this chapter;

(vii) Cargo is not carried in or on the aircraft;

Amend §119.5 by revising paragraphs (b) and (c) to read as follows:

§119.5 Certifications, authorizations, and prohibitions.

(b) A person not authorized to conduct direct air carrier operations, but authorized by the Administrator to conduct operations as a U.S. commercial operator, will be issued an Operating Certificate.

(c) A person not authorized to conduct direct air carrier operations, but authorized by the Administrator to conduct operations when common carriage is not involved as an operator of any U.S.-registered civil airplane or powered-lift with a seat configuration of 20 or more passengers, or a maximum payload capacity of 6,000 pounds or more, will be issued an Operating Certificate.

Amend §119.21 by revising paragraph (a) introductory text to read as follows:

§119.21 Commercial operators engaged in intrastate common carriage and direct air carriers.

(a) Each person who conducts airplane or powered-lift operations as a commercial operator engaged in intrastate common carriage of persons or property for compensation or hire in air commerce, or as a direct air carrier, shall comply with the certification and operations specifications requirements in subpart C of this part, and shall conduct its:

Amend §119.23 by revising the section heading, paragraphs (a) introductory text, (a)(2), and (b) introductory text to read as follows:

§119.23 Operators engaged in passenger-carrying operations, cargo operations, or both with airplanes or powered-lift when common carriage is not involved.

(a) Each person who conducts operations when common carriage is not involved with any airplane or powered-lift having a passenger-seat configuration of 20 seats or more, excluding each crewmember seat, or a payload capacity of 6,000 pounds or more, must, unless deviation authority is issued—

(2) Conduct its operations in accordance with the requirements of part 125 of this chapter; and

(b) Each person who conducts noncommon carriage (except as provided in §91.501(b) of this chapter) or private carriage operations for compensation or hire with any airplane or powered-lift having a passenger-seat configuration of less than 20 seats, excluding each crewmember seat, and a payload capacity of less than 6,000 pounds, must—

Amend §119.49 by revising paragraphs (a)(12), (b)(12), and (c)(11) to read as follows:

§119.49 Contents of operations specifications.

(a) ***

(12) Any authorized deviation or exemption from any requirement of this chapter that applies to the certificate holder.

(b) ***

(12) Any authorized deviation or exemption from any requirement of this chapter that applies to the certificate holder.

(c) ***

(11) Any authorized deviation or exemption from any requirement of this chapter that applies to the certificate holder.

Amend §119.65 by revising paragraphs (a)(3) and (b)(2) to read as follows:

§119.65 Management personnel required for operations conducted under part 121 of this chapter.

(a) ***

(3) Chief Pilot for each category of aircraft the certificate holder uses, as listed in §61.5(b)(1) of this chapter.

(b) ***

(2) The number and type of aircraft used; and

Revise §119.67 to read as follows:

§119.67 Management personnel: Qualifications for operations conducted under part 121 of this chapter.

(a) **Director of Operations.** To serve as Director of Operations under §119.65(a), a person must hold an airline transport pilot certificate and—

(1) If the certificate holder uses large aircraft, at least 3 years of supervisory or managerial experience within the last 6 years in

large aircraft, in a position that exercised operational control over any operations conducted under part 121 or 135 of this chapter.

(2) If the certificate holder uses large aircraft, at least 3 years of experience as pilot in command under part 121 or 135 of this chapter in large aircraft in at least one of the categories of aircraft the certificate holder uses, as listed in §61.5(b)(1) of this chapter. In the case of a person becoming Director of Operations for the first time, he or she must have accumulated this experience as pilot in command within the past 6 years.

(3) If the certificate holder uses only small aircraft in its operations, the experience required in paragraphs (a)(1) and (2) of this section may be obtained in either large or small aircraft.

(b) Chief Pilot. To serve as Chief Pilot under §119.65(a), a person must:

(1) Hold an airline transport pilot certificate with appropriate ratings in the category of aircraft that the certificate holder uses in its operations under part 121 of this chapter and over which the Chief Pilot exercises responsibility; and

(2) Have at least 3 years of experience as pilot in command in the same category of aircraft that the certificate holder uses, as listed in §61.5(b) of this chapter. The experience as pilot in command described in this paragraph (b)(2) must:

(i) Have occurred within the past 6 years, in the case of a person becoming a Chief Pilot for the first time.

(ii) Have occurred in large aircraft operated under part 121 or 135 of this chapter. If the certificate holder uses only small aircraft in its operation, this experience may be obtained in either large or small aircraft.

(iii) Be in the same category of aircraft over which the Chief Pilot exercises responsibility.

(c) Director of Maintenance. To serve as Director of Maintenance under §119.65(a), a person must:

(1) Hold a mechanic certificate with airframe and powerplant ratings;

(2) Have 1 year of experience in a position responsible for returning aircraft to service;

(3) Have at least 1 year of experience in a supervisory capacity under either paragraph (c)(4)(i) or (ii) of this section maintaining the same category and class of aircraft as the certificate holder uses; and

(4) Have 3 years of experience within the past 6 years in one or a combination of the following—

(i) Maintaining large aircraft with 10 or more passenger seats, including, at the time of appointment as Director of Maintenance, experience in maintaining the same category and class of aircraft as the certificate holder uses; or

(ii) Repairing aircraft in a certificated airframe repair station that is rated to maintain aircraft in the same category and class of aircraft as the certificate holder uses.

(d) Chief Inspector. To serve as Chief Inspector under §119.65(a), a person must:

(1) Hold a mechanic certificate with both airframe and powerplant ratings, and have held these ratings for at least 3 years;

(2) Have at least 3 years of maintenance experience on different types of large aircraft with 10 or more passenger seats with an air carrier or certificated repair station, 1 year of which must have been as maintenance inspector; and

(3) Have at least 1 year of experience in a supervisory capacity maintaining the same category and class of aircraft as the certificate holder uses.

(e) Deviation. A certificate holder may request a deviation to employ a person who does not meet the appropriate airman experience, managerial experience, or supervisory experience re-

quirements of this section if the Manager of the Air Transportation Division or the Manager of the Aircraft Maintenance Division, as appropriate, finds that the person has comparable experience and can effectively perform the functions associated with the position in accordance with the requirements of this chapter and the procedures outlined in the certificate holder's manual. Deviations under this paragraph (e) may be issued after consideration of the size and scope of the operation and the qualifications of the intended personnel. The Administrator may, at any time, terminate any grant of deviation authority issued under this paragraph (e).

PART 125

CERTIFICATION AND OPERATIONS: AIRCRAFT HAVING A SEATING CAPACITY OF 20 OR MORE PASSENGERS OR A MAXIMUM PAYLOAD CAPACITY OF 6,000 POUNDS OR MORE; AND RULES GOVERNING PERSONS ON BOARD SUCH AIRCRAFT

► **Change Date:** July 26, 2023

► **Effective Date:** July 26, 2023

► **Source:** Amdt. 125-74, 88 FR 48090

The heading for Part 125 is revised to read as set forth above.

Amend §125.1 by revising paragraphs (a), (b) introductory text, (b)(4), (c), and (e) to read as follows:

§125.1 Applicability.

(a) Except as provided in paragraphs (b) through (d) of this section, this part prescribes rules governing the operations of U.S.-registered civil airplanes and powered-lift, when those aircraft have a seating configuration of 20 or more passengers or a maximum payload capacity of 6,000 pounds or more when common carriage is not involved.

(b) The rules of this part do not apply to the operations of aircraft specified in paragraph (a) of this section, when—

* * * * *

(4) They are being operated under part 91 of this chapter by an operator certificated to operate those aircraft under the rules of part 121, 135, or 137 of this chapter, they are being operated under the applicable rules of part 121 or 135 of this chapter by an applicant for a certificate under part 119 of this chapter or they are being operated by a foreign air carrier or a foreign person engaged in common carriage solely outside the United States under part 91 of this chapter;

* * * * *

(c) This part, except §125.247, does not apply to the operation of aircraft specified in paragraph (a) of this section when they are operated outside the United States by a person who is not a citizen of the United States.

* * * * *

(e) This part also establishes requirements for operators to take actions to support the continued airworthiness of each aircraft.

Amend §125.23 by revising the introductory text to read as follows:

§125.23 Rules applicable to operations subject to this part.

Each person operating an aircraft in operations under this part shall—

* * * * *