

## § 97.5

manual) at maximum certificated landing weight with full flaps, landing gear extended, and power off.

*T* means nonstandard takeoff minimums or specified departure routes/procedures or both.

*TDZ* means touchdown zone.

*Visibility minimum* means the minimum visibility specified for approach, landing, or takeoff, expressed in statute miles, or in feet where RVR is reported.

[Doc. No. FAA-2002-14002, 72 FR 31679, June 7, 2007]

### § 97.5 Bearings, courses, tracks, headings, radials, miles.

(a) All bearings, courses, tracks, headings, and radials in this part are magnetic, unless otherwise designated.

(b) RVR values are stated in feet. Other visibility values are stated in statute miles. All other mileages are stated in nautical miles.

[Doc. No. 561, 32 FR 13912, Oct. 6, 1967, as amended by Amdt. 97-1336, 72 FR 31680, June 7, 2007]

## Subpart B—Procedures

EDITORIAL NOTE: The procedures set forth in this subpart were formerly carried as §§ 609.100 through 609.500 of this title and were transferred to part 97 as §§ 97.11 through 97.19, respectively, but are not carried in the Code of Federal Regulations. For FEDERAL REGISTER citations affecting these procedures, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at [www.govinfo.gov](http://www.govinfo.gov).

### § 97.10 [Reserved]

## Subpart C—TERPS Procedures

SOURCE: Docket No. 8130, 32 FR 13912, Oct. 6, 1967, unless otherwise noted.

EDITORIAL NOTE: The procedures for §§ 97.21 through 97.37, respectively, are not carried in the Code of Federal Regulations. For FEDERAL REGISTER citations affecting these procedures, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at [www.govinfo.gov](http://www.govinfo.gov).

### § 97.20 General.

(a) This subpart prescribes standard instrument approach procedures and

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takeoff minimums and obstacle departure procedures (ODPs) based on the criteria contained in FAA Order 8260.3, U.S. Standard for Terminal Instrument Procedures (TERPs), and other related Orders in the 8260 series that also address instrument procedure design criteria.

(b) Standard instrument approach procedures and associated supporting data adopted by the FAA are documented on FAA Forms 8260-3, 8260-4, 8260-5. Takeoff minimums and obstacle departure procedures (ODPs) are documented on FAA Form 8260-15A. These forms are incorporated by reference. The Director of the Federal Register approved this incorporation by reference pursuant to 5 U.S.C. 552(a) and 1 CFR part 51. The standard instrument approach procedures and takeoff minimums and obstacle departure procedures (ODPs) are available for examination at the U.S. Department of Transportation, Docket Operations, 1200 New Jersey Avenue SE, West Building Ground Floor, Room W12-140, Washington, DC 20590, and at Aeronautical Information Services, 1305 East-West Highway, Silver Spring, MD 20910, or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email: [fedreg.legal@nara.gov](mailto:fedreg.legal@nara.gov), or go to [http://www.archives.gov/federal\\_register/code\\_of\\_federal\\_regulations/ibr\\_locations.html](http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html).

(c) Standard instrument approach procedures and takeoff minimums and obstacle departure procedures (ODPs) are depicted on aeronautical charts published by the FAA. These charts are available from the FAA at [https://www.faa.gov/air\\_traffic/flight\\_info/aeronav/digital\\_products/](https://www.faa.gov/air_traffic/flight_info/aeronav/digital_products/).

[Doc. No. FAA-2002-14002, 72 FR 31680, June 7, 2007, as amended by Docket FAA-2018-0119, Amdt. 97-1338, 83 FR 9172, Mar. 5, 2018; Docket No. FAA-2022-1355, Amdt. No. 97-1339, 87 FR 75846, Dec. 9, 2022]

## PART 99—SECURITY CONTROL OF AIR TRAFFIC

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AUTHORITY: 49 U.S.C. 106(g), 40101, 40103, 40106, 40113, 40120, 44502, 44721.

SOURCE: Docket No. 25113, 53 FR 18217, May 20, 1988, unless otherwise noted.

### Subpart A—General

#### § 99.1 Applicability.

(a) This subpart prescribes rules for operating all aircraft (except for Department of Defense and law enforcement aircraft) in a defense area, or into, within, or out of the United States through an Air Defense Identification Zone (ADIZ) designated in subpart B.

(b) Except for §§ 99.7, 99.13, and 99.15 this subpart does not apply to the operation of any aircraft—

(1) Within the 48 contiguous States and the District of Columbia, or within the State of Alaska, on a flight which remains within 10 nautical miles of the point of departure;

(2) Operating at true airspeed of less than 180 knots in the Hawaii ADIZ or over any island, or within 12 nautical miles of the coastline of any island, in the Hawaii ADIZ;

(3) Operating at true airspeed of less than 180 knots in the Alaska ADIZ while the pilot maintains a continuous listening watch on the appropriate frequency; or

(4) Operating at true airspeed of less than 180 knots in the Guam ADIZ.

(c) An FAA ATC center may exempt the following operations from this subpart (except § 99.7) on a local basis only, with the concurrence of the U.S. military commanders concerned, or pursu-

ant to an agreement with a U.S. Federal security or intelligence agency:

(1) Aircraft operations that are conducted wholly within the boundaries of an ADIZ and are not currently significant to the air defense system.

(2) Aircraft operations conducted in accordance with special procedures prescribed by a U.S. military authority, or a U.S. Federal security or intelligence agency concerned.

[Doc. No. 25113, 53 FR 18217, May 20, 1988, as amended by Amdt. 99–14, 53 FR 44182, Nov. 2, 1988; 66 FR 49822, Sept. 28, 2001; 69 FR 16755, Mar. 30, 2004]

#### § 99.3 Definitions.

*Aeronautical facility* means, for the purposes of this subpart, a communications facility where flight plans or position reports are normally filed during flight operations.

*Air defense identification zone (ADIZ)* means an area of airspace over land or water in which the ready identification, location, and control of all aircraft (except for Department of Defense and law enforcement aircraft) is required in the interest of national security.

*Defense area* means any airspace of the contiguous United States that is not an ADIZ in which the control of aircraft is required for reasons of national security.

*Defense visual flight rules (DVFR)* means, for the purposes of this subpart, a flight within an ADIZ conducted by any aircraft (except for Department of Defense and law enforcement aircraft) in accordance with visual flight rules in part 91 of this title.

[Doc. No. FAA–2001–10693, 66 FR 49822, Sept. 28, 2001, as amended at 69 FR 16755, Mar. 30, 2004]

#### § 99.5 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 the rules in this part to the extent required by that emergency. He shall report the reasons for the deviation to the communications facility where flight plans or position reports are normally filed (referred to in this part as “an appropriate aeronautical facility”) as soon as possible.

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### § 99.7 Special security instructions.

Each person operating an aircraft in an ADIZ or Defense Area must, in addition to the applicable rules of this part, comply with special security instructions issued by the Administrator in the interest of national security, pursuant to agreement between the FAA and the Department of Defense, or between the FAA and a U.S. Federal security or intelligence agency.

[69 FR 16756, Mar. 30, 2004]

### § 99.9 Radio requirements.

(a) A person who operates a civil aircraft into an ADIZ must have a functioning two-way radio, and the pilot must maintain a continuous listening watch on the appropriate aeronautical facility's frequency.

(b) No person may operate an aircraft into, within, or whose departure point is within an ADIZ unless—

(1) The person files a DVFR flight plan containing the time and point of ADIZ penetration, and

(2) The aircraft departs within five minutes of the estimated departure time contained in the flight plan.

(c) If the pilot operating an aircraft under DVFR in an ADIZ cannot maintain two-way radio communications, the pilot may proceed, in accordance with original DVFR flight plan, or land as soon as practicable. The pilot must report the radio failure to an appropriate aeronautical facility as soon as possible.

(d) If a pilot operating an aircraft under IFR in an ADIZ cannot maintain two-way radio communications, the pilot must proceed in accordance with § 91.185 of this chapter.

[Doc. No. FAA–2001–10693, 66 FR 49822, Sept. 28, 2001, as amended at 69 FR 16756, Mar. 30, 2004]

### § 99.11 ADIZ flight plan requirements.

(a) No person may operate an aircraft into, within, or from a departure point within an ADIZ, unless the person files, activates, and closes a flight plan with the appropriate aeronautical facility, or is otherwise authorized by air traffic control.

(b) Unless ATC authorizes an abbreviated flight plan—

(1) A flight plan for IFR flight must contain the information specified in § 91.169; and

(2) A flight plan for VFR flight must contain the information specified in § 91.153(a) (1) through (6).

(3) If airport of departure is within the Alaskan ADIZ and there is no facility for filing a flight plan then:

(i) Immediately after takeoff or within range of an appropriate aeronautical facility, comply with provisions of paragraph (b)(1) or (b)(2) as appropriate.

(ii) Proceed according to the instructions issued by the appropriate aeronautical facility.

(c) The pilot shall designate a flight plan for VFR flight as a DVFR flight plan.

(d) The pilot in command of an aircraft for which a flight plan has been filed must file an arrival or completion notice with an appropriate aeronautical facility.

[Doc. No. 25113, 53 FR 18217, May 20, 1988; 53 FR 44182, Nov. 2, 1988, as amended by Amdt. 99–15, 54 FR 34331, Aug. 18, 1989; 66 FR 49822, Sept. 28, 2001; 69 FR 16756, Mar. 30, 2004]

### § 99.12 [Reserved]

### § 99.13 Transponder-on requirements.

(a) *Aircraft transponder-on operation.* Each person operating an aircraft into or out of the United States into, within, or across an ADIZ designated in subpart B of this part, if that aircraft is equipped with an operable radar beacon transponder, shall operate the transponder, including altitude encoding equipment if installed, and shall reply on the appropriate code or as assigned by ATC.

(b) *ATC transponder equipment and use.* Effective September 7, 1990, unless otherwise authorized by ATC, no person may operate a civil aircraft into or out of the United States into, within, or across the contiguous U.S. ADIZ designated in subpart B of this part unless that aircraft is equipped with a coded radar beacon transponder.

(c) *ATC transponder and altitude reporting equipment and use.* Effective December 30, 1990, unless otherwise authorized by ATC, no person may operate a civil aircraft into or out of the United States into, within, or across

the contiguous U.S. ADIZ unless that aircraft is equipped with a coded radar beacon transponder and automatic pressure altitude reporting equipment having altitude reporting capability that automatically replies to interrogations by transmitting pressure altitude information in 100-foot increments.

(d) Paragraphs (b) and (c) of this section do not apply to the operation of an aircraft which was not originally certificated with an engine-driven electrical system and which has not subsequently been certified with such a system installed, a balloon, or a glider.

[Doc. No. 24903, 55 FR 8395, Mar. 7, 1990. Redesignated at 69 FR 16756, Mar. 30, 2004]

#### § 99.15 Position reports.

(a) The pilot of an aircraft operating in or penetrating an ADIZ under IFR—

(1) In controlled airspace, must make the position reports required in § 91.183; and

(2) In uncontrolled airspace, must make the position reports required in this section.

(b) No pilot may operate an aircraft penetrating an ADIZ under DVFR unless—

(1) The pilot reports to an appropriate aeronautical facility before penetration: the time, position, and altitude at which the aircraft passed the last reporting point before penetration and the estimated time of arrival over the next appropriate reporting point along the flight route;

(2) If there is no appropriate reporting point along the flight route, the pilot reports at least 15 minutes before penetration: The estimated time, position, and altitude at which the pilot will penetrate; or

(3) If the departure airport is within an ADIZ or so close to the ADIZ boundary that it prevents the pilot from complying with paragraphs (b)(1) or (2) of this section, the pilot must report immediately after departure: the time of departure, the altitude, and the estimated time of arrival over the first reporting point along the flight route.

(c) In addition to any other reports as ATC may require, no pilot in command of a foreign civil aircraft may enter the United States through an ADIZ unless that pilot makes the re-

ports required in this section or reports the position of the aircraft when it is not less than one hour and not more than 2 hours average direct cruising distance from the United States.

[69 FR 16756, Mar. 30, 2004]

#### § 99.17 Deviation from flight plans and ATC clearances and instructions.

(a) No pilot may deviate from the provisions of an ATC clearance or ATC instruction except in accordance with § 91.123 of this chapter.

(b) No pilot may deviate from the filed IFR flight plan when operating an aircraft in uncontrolled airspace unless that pilot notifies an appropriate aeronautical facility before deviating.

(c) No pilot may deviate from the filed DVFR flight plan unless that pilot notifies an appropriate aeronautical facility before deviating.

[69 FR 16756, Mar. 30, 2004]

#### §§ 99.19–99.31 [Reserved]

### Subpart B—Designated Air Defense Identification Zones

#### § 99.41 General.

The airspace above the areas described in this subpart is established as an ADIZ. The lines between points described in this subpart are great circles except that the lines joining adjacent points on the same parallel of latitude are rhumb lines.

[69 FR 16756, Mar. 30, 2004]

#### § 99.43 Contiguous U.S. ADIZ.

The area bounded by a line from 43°15' N, 65°55' W; 44°21' N, 67°16' W; 43°10' N, 69°40' W; 41°05' N, 69°40' W; 40°32' N, 72°15' W; 39°55' N, 73°00' W; 39°38' N, 73°00' W; 39°36' N, 73°40' W; 37°00' N, 75°30' W; 36°10' N, 75°10' W; 35°10' N, 75°10' W; 32°00' N, 80°30' W; 30°30' N, 81°00' W; 26°40' N, 79°40' W; 25°00' N, 80°05' W; 24°25' N, 81°15' W; 24°20' N, 81°45' W; 24°30' N, 82°06' W; 24°41' N, 82°06' W; 24°43' N, 82°00' W; 25°00' N, 81°30' W; 25°10' N, 81°23' W; 25°35' N, 81°30' W; 26°15' N, 82°20' W; 27°50' N, 83°05' W; 28°55' N, 83°30' W; 29°42' N, 84°00' W; 29°20' N, 85°00' W; 30°00' N, 87°10' W; 30°00' N, 88°30' W; 28°45' N, 88°55' W; 28°45' N, 90°00' W; 29°25' N, 94°00' W; 28°20' N, 96°00' W; 27°30' N;

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97°00'W; 26°00' N; 97°00'W; 25°58' N; 97°07'W; westward along the U.S./Mexico border to 32°32'03" N, 117°07'25" W; 32°30' N; 117°25'W; 32°35' N; 118°30'W; 33°05' N; 119°45'W; 33°55' N; 120°40'W; 34°50' N; 121°10'W; 38°50' N; 124°00'W; 40°00' N; 124°35'W; 40°25' N; 124°40'W; 42°50' N; 124°50'W; 46°15' N; 124°30'W; 48°30' N; 125°00'W; 48°20' N; 128°00'W; 48°20' N; 132°00'W; 37°42' N; 130°40'W; 29°00' N; 124°00'W; 30°45' N; 120°50'W; 32°00' N; 118°24'W; 32°30' N; 117°20'W; 32°32'03" N; 117°07'25" W; eastward along the U.S./Mexico border to 25°58' N, 97°07'W; 26°00' N; 97°00'W; 26°00' N; 95°00'W; 26°30' N; 95°00'W; then via 26°30' N; parallel to 26°30' N; 84°00'W; 24°00' N; 83°00'W; then Via 24°00' N; parallel to 24°00' N; 79°25'W; 25°40' N; 79°25'W; 27°30' N; 78°50'W; 30°45' N; 74°00'W; 39°30' N; 63°45'W; 43°00' N; 65°48'W; to point of beginning.

[Doc. No. FAA-2001-10693, 66 FR 49822, Sept. 28, 2001. Redesignated at 69 FR 16756, Mar. 30, 2004]

§ 99.45 Alaska ADIZ.

The area is bounded by a line from 54°00' N; 136°00'W; 56°57' N; 144°00'W; 57°00' N; 145°00'W; 53°00' N; 158°00'W; 50°00' N; 169°00'W; 50°00' N; 180°00'; 50°00' N; 170°00'E; 53°00' N; 170°00'E; 60°00'00" N; 180°00'; 65°00' N; 169°00'W; then along 169°00'W; to 75°00' N; 169°00'W; then along the 75°00' N; parallel to 75°00' N, 141°00'W; 69°50' N; 141°00'W 71°18' N; 156°44'W; 68°40' N; 167°10'W; 67°00' N; 165°00'W; 65°40' N; 168°15'W; 63°45' N; 165°30'W; 61°20' N; 166°40'W; 59°00' N; 163°00'W; then south along 163°00'W to 54°00' N, 163°00'W; 56°30' N; 154°00'W; 59°20' N; 146°00'W; 59°30' N; 140°00'W; 57°00' N; 136°00'W; 54°35' N, 133°00'W; to point of beginning.

[Doc. No. FAA-2001-10693, 66 FR 49822, Sept. 28, 2001. Redesignated at 69 FR 16756, Mar. 30, 2004]

§ 99.47 Guam ADIZ.

(a) Inner boundary. From a point 13°52'07" N, 143°59'16" E, counterclockwise along the 50-nautical-mile radius arc of the NIMITZ VORTAC (located at 13°27'11" N, 144°43'51" E); to a point 13°02'08" N, 145°28'17" E; then to a point 14°49'07" N, 146°13'58" E; counterclockwise along the 35-nautical-mile radius arc of the SAIPAN NDB (located at 15°06'46" N, 145°42'42" E); to a point

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15°24'21" N, 145°11'21" E; then to the point of origin.

(b) Outer boundary. The area bounded by a circle with a radius of 250 NM centered at latitude 13°32'41" N, longitude 144°50'30" E.

[Doc. No. 25113, 53 FR 18217, May 20, 1988. Redesignated at 69 FR 16756, Mar. 30, 2004]

§ 99.49 Hawaii ADIZ.

(a) Outer boundary. The area included in the irregular octagonal figure formed by a line connecting 26°30' N, 156°00' W; 26°30' N, 161°00' W; 24°00' N, 164°00' W; 20°00' N, 164°00' W; 17°00' N, 160°00' W; 17°00' N, 156°00' W; 20°00' N, 153°00' W; 22°00' N, 153°00' W; to point of beginning.

(b) Inner boundary. The inner boundary to follow a line connecting 22°30' N, 157°00' W; 22°30' N, 160°00' W; 22°00' N, 161°00' W; 21°00' N, 161°00' W; 20°00' N, 160°00' W; 20°00' N, 156°30' W; 21°00' N, 155°30' W; to point of beginning.

[Doc. No. 25113, 53 FR 18217, May 20, 1988. Redesignated at 69 FR 16756, Mar. 30, 2004]

PART 101—MOORED BALLOONS, KITES, AMATEUR ROCKETS, AND UNMANNED FREE BALLOONS

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